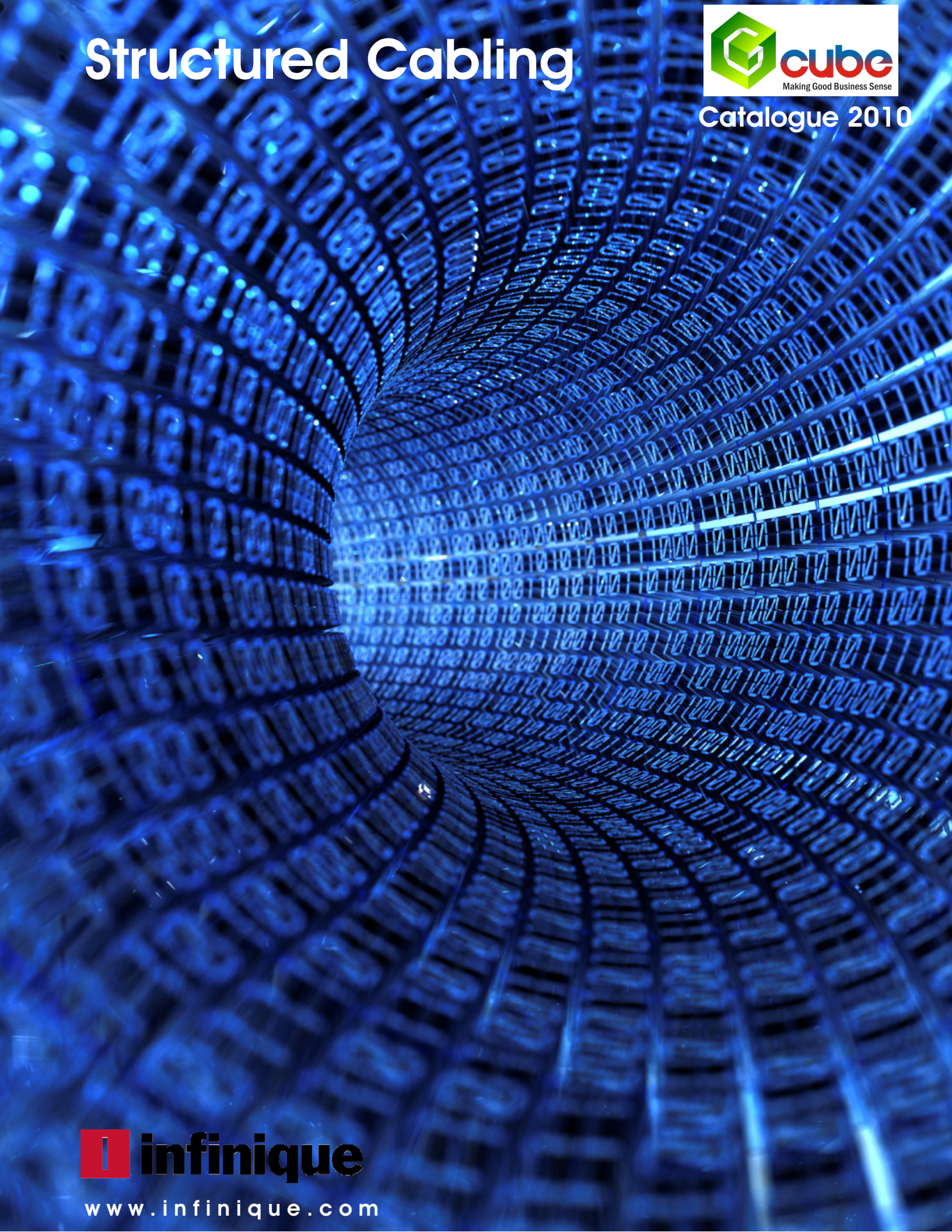
Structured Cabling



Gcube
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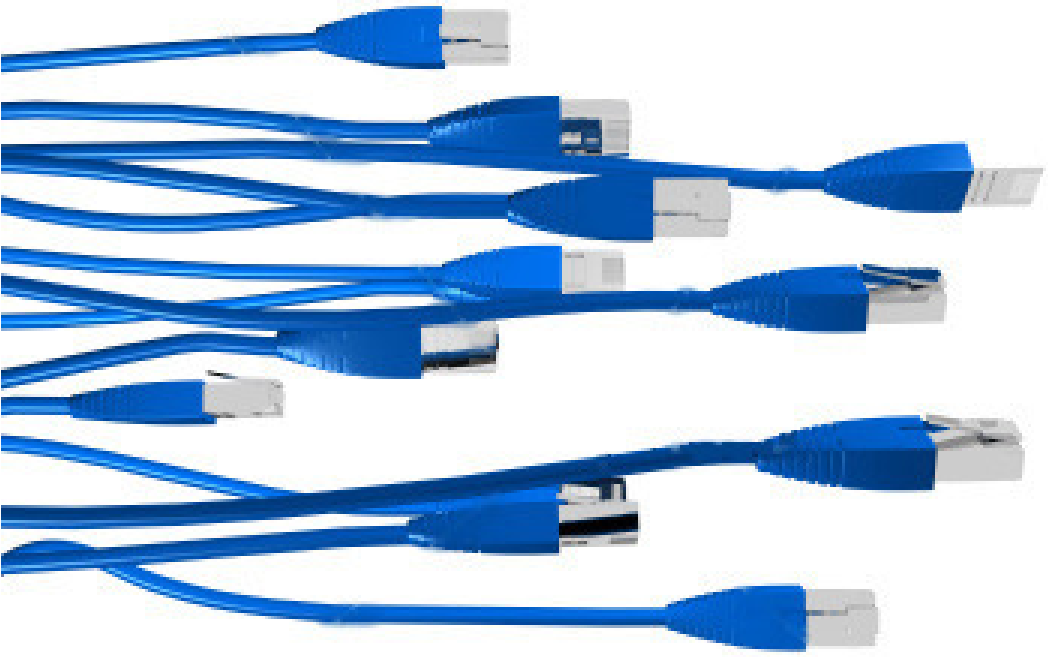
Connecting with the right solution



Connections and Solutions are two closely linked terms. Our principal ally in any business relationship is you, the customer. With this in mind, we work not just for you, but with you, to find the right solution. Our philosophy is based on partnerships, rather than customer/supplier relationships. Winning your trust and forging close alliances help us to find you the best solutions.

Infinique views customer proximity as more than just a local presence, we want a continuous dialogue with you and work as partners to identify common objectives leading to joint solutions. We place you, the customer at the heart of everything we do and being close at hand, with short response and delivery times for all our locations. We offer quality in the form of fast service.

For nearly a decade, we have been serving our customers with spirit of innovation which is one of the core qualities of everything we do at Infinique. This drives us to develop high-quality line of products which are future proof. Our catalogue represents our expertise, detailing the latest innovations and key products in each of Infinique's high-performance structured cabling solution.

infinique a Canadian Company

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infinique

Fiber Optic Cable

Infinique's multimode and singlemode fiber optic end-to-end solutions are designed to provide network users with the capacity to support up to and beyond 10 Gb/s data throughput. Supported by LC and SC style connecting hardware, Infinique's fiber optic solutions are ideal for high-speed LAN backbones, storage area networks (SAN) and FTTH applications.

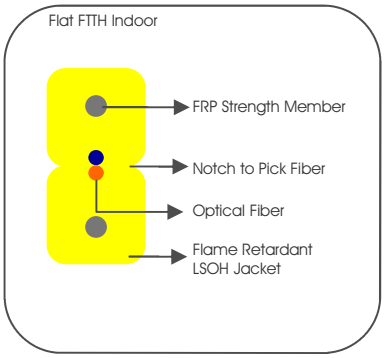
Section Contents

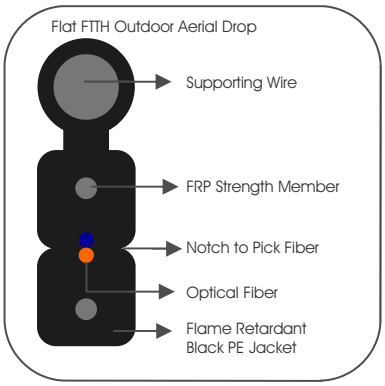
Indoor/Outdoor Flat FTTH Drop Cable

Infinique's Flat FTTH Drop Cable is used in high speed and broadband telecommunication applications. It is suitable for both indoor and outdoor applications. The indoor fiber construction comprises of two colored optical fibers, 2 parallel FRP (Fiber Reinforced Plastic) strength member and LSZH Jacket.

Outdoor FTTH flat cable construction is similar to the indoor cable, except the cable jacket is made of Flame Retardant Black PE and has a supporting wire for aerial installation.

Fiber used in these cables are bend insensitive and can be used for applications where multiple bends are present. These light weight cables are suitable for direct installation in Villas, Multi dwelling units and have excellent crush and impact resistance properties.





SPECIFICATIONS

Performance	Units	Singlemode ITU-T G.652
Attenuation (dB/km)	dB/km	≤0.4 at 1310nm ≤0.3 at 1550nm
Chromatic Dispersion	ps/nm.km	≤3.5 at 1285nm~1330nm ≤18.0 at1550nm
Zero Dispersion Wavelength	nm	1300 ~ 1324
Zero Dispersion Slope	ps/nm2.km	≤0.095
Cut-off Wavelength (λcc, 22m of a cabled fiber)	nm	≤1260
Mode Field Diameter	µm	8.6±0.5
Mode Field Concentricity	µm	≤0.8
Cladding Diameter	µm	125±1.0
Cladding Non-Circularity	%	≤ 1.0
Coating Diameter	µm	242±10
Bending loss (Bare Fiber) Radius: 7.5mm x 1 turn	dB	≤0.5 at 1550nm
Proof Test	kpsi	≥100

Material	
No of fiber	2
Optical Fibers	Singlemode ITU-T G.652
Fiber Color	Blue, Orange
Dielectric Strength Member	FRP (Fiber Reinforced Plastic)
Cable Jacket	Indoor: Flame Rated LSOH | Outdoor: Flame Retardant Black Polyethylene

STANDARDS / COMPLIANCE

TIA 568, ISO 11801, ICEA-696 Cable performance compliant
Meet or exceeds IEE 802.3 Ethernet (including 10 Gigabit Ethernet), ATM, Fibre Channel, FDDI

TEMPERATURE RATINGS

	Operation	Installation	Storage/Shipping
Flat FTTH Indoor	-10°C ~ +75°C	-10°C ~ +75°C	-10°C ~ +75°C
Flat FTTH Outdoor	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +70°C

ORDERING INFORMATION
Flat FTTH Cables 1-2 Fibers

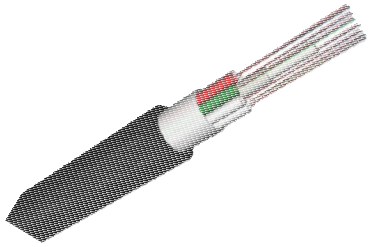
Cable Type	Fiber Count	Part No	Nominal OD (mm)	Max. Wt (kg/km)	Tensile Load (N) Install	Tensile Load (N) Long Term	Crush (N/100) Resistance	Bend Radius(mm) Dynamic	Bend Radius(mm) Static
Flat Indoor	1	IIFOCSMDC1	1.9 x 3.1	9	200	100	500	20H	10H
Flat Indoor	2	IIFOCSMDC2	1.9 x 3.1	9	200	100	500	20H	10H
Flat Outdoor	2	IIFOCSMDC2	2.9 x 5.0	20	200	100	500	20H	10H

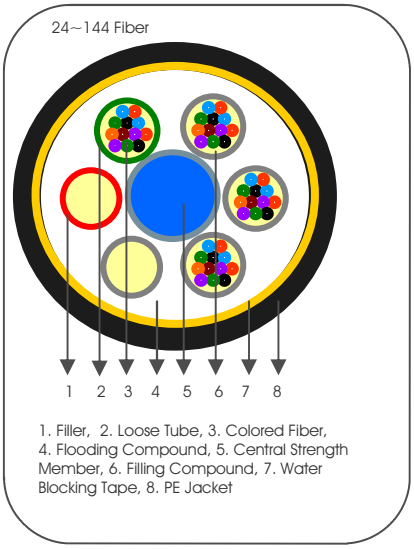
Packaging: Length of 2 KM on Wooden Reel

Indoor/Outdoor Stranded Loose Tube Cable

Indoor Outdoor Stranded Loose Tube Cable is a non-metallic cable used for power transmission system, in places were there is high electromagnetic interferences and long distance telecommunications. Extremely flexible and economical this cable is ideal for low fiber count applications in aerial, duct, direct buried installations and riser indoor spaces.

Cable construction consists of FRP (Fiber Reinforced Plastic) located in the center of cores as a non-metallic strength member. The cable tubes which are filled with filling compound are stranded around the strength member and the aramid yarn is applied over water proof material, the cable is completed with a PE sheath. The fiber cores range from 2 cores to 144 . Fiber types of 9/125 single mode, 62.5/125µm (OM1), 50/125µm (OM2), laser-optimized 50/125µm (OM3) are available.





1. Filler, 2. Loose Tube, 3. Colored Fiber, 4. Flooding Compound, 5. Central Strength Member, 6. Filling Compound, 7. Water Blocking Tape, 8. PE Jacket

SPECIFICATIONS

	9/125(SM)	62.5/125(OM1)	50/125(OM2)	50/125 LOF(OM3)
Performance				
Attenuation (dB/km) 1310nm	≤0.4			
Attenuation (dB/km) 1550nm	≤0.3			
Attenuation (dB/km) 850nm		≤3.0	≤3.5	≤3.5
Attenuation (dB/km) 1300nm		≤1.0	≤1.5	≤1.5
Bandwidth (MHz/km) 850 nm		≥ 200	≥ 300	≥ 300
Bandwidth (MHz/km) 1300 nm		≥ 300	≥ 300	≥ 300
Dispersion (ps/nm.km) 1285~1330	≤3.5			
Dispersion (ps/nm.km) 1550	≤18.0			
Zero Dispersion Wavelength nm	1300~1324			
Zero Dispersion Slope (ps/nm.km)	≤0.095			
Fiber Cutoff Wavelength nm	≤1260			
Mode Field Diameter (µm)	8.6±0.5			
Mode Field Concertricity (µm)	≤0.8			
Mechanical				
Core Diameter (µm)	8.2	62.5 ±3	50 ±2.5	50 ±2.5
Clad Diameter (µm)	125 ±1.0	125 ± 1.0	125 ±1.0	125 ±1.0
Clad Non-Circularity (%)	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Coating-Clad Concentricity (µm)	≤ 12 .5	≤ 12.5	≤ 12.5	≤ 12.5
Coating Diameter (µm)	242 ±1.0	245 ±1.0	245 ±1.0	245 ±1.0
Bending, Dependence induced 1500nm, 1 turns, 32 mm diameter	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db
Proof Test kpsi	≥100			
Material				
Optical Fibers	Silica glass surrounded by acrylate coating			
Loose Tube	Φ 2.15 ±0.10㎜ Polybutylene Terephthalate (PBT)			
Central Strength Member	Fiberglass Reinforced Plastic (FRP) + Cushion			
Filling Compound	Gel or Hygroscopic Powder			
Cable Jacket	Flame rated PE			

STANDARDS / COMPLIANCE

TIA 568, ISO 11801, ICEA-696 Cable performance compliant
Meet or exceeds IEE 802.3 Ethernet (including 10 Gigabit Ethernet), ATM, Fibre Channel, FDDI

TEMPERATURE RATINGS

Operation	-40°C ~ +70°C
Storage/Shipping	-40°C ~ +70°C

ORDERING INFORMATION

Indoor Outdoor Stranded Loose Tube, 2-144 Fibers

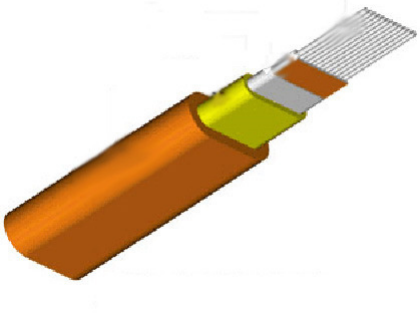
Fiber Count	Part No Riser (OFNR)	Nominal OD (mm)	Max. Wt (kg/km)	Tensile Load (N) Install	Tensile Load (N) Long Term	Crush Rest.(N/100) Install	Crush Rest.(N/100) Long Term	Tube Count
2	IFOCXXLT2	9.8±0.5	88	1500	600	1000	300	5
4	IFOCXXLT4	9.8±0.5	88	1500	600	1000	300	5
6	IFOCXXLT6	9.8±0.5	88	1500	600	1000	300	5
8	IFOCXXLT8	9.8±0.5	88	1500	600	1000	300	5
10	IFOCXXLT10	9.8±0.5	88	1500	600	1000	300	5
12	IFOCXXLT12	9.8±0.5	88	1500	600	1000	300	5
24	IFOCXXLT24	9.8±0.5	88	1500	600	1000	300	5
36	IFOCXXLT36	9.8±0.5	88	1500	600	1000	300	5
48	IFOCXXLT48	9.8±0.5	88	1500	600	1000	300	5
72	IFOCXXLT72	10.5±0.5	102	1500	600	1000	300	6
96	IFOCXXLT96	12.0±0.5	136	2000	600	1000	300	8
120	IFOCXXLT120	13.2±0.5	156	2000	600	1000	300	8
144	IFOCXXLT144	15.0±0.5	180	2500	800	1000	300	12

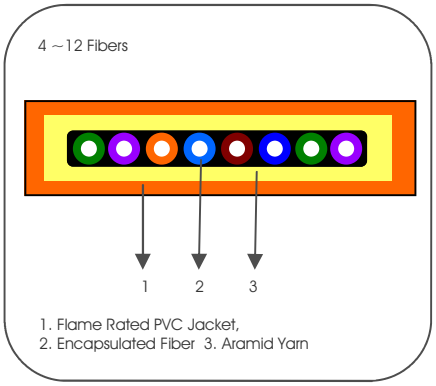
Replace XX with: SM - Single Mode | M1 - 62.5/125 | M2 - 50/125 | M3 - LOF 50/125
Packaging: Shipped on a wooden reel

Indoor
Flat Ribbon Cable

Infinique's Flat Ribbon Cable is extremely flexible and economical cable that is ideal for multi-fiber interconnect applications. The fiber ribbon is evenly bound with high modulus soft aramid yarn as strength member. Its rectangular outer sheath is shaped by a special material extrusion technique. The easy to strip outer jacket is made of flame-retardant PE and has small bending radius with good performance under stress.

Outer jacket options include LSOH (Low Smoke Zero Halogen), with Fiber types of 9/125 single mode, 62.5/125µm (OM1), 50/125µm (OM2) and laser-optimized 50/125µm (OM3).





1. Flame Rated PVC Jacket,
2. Encapsulated Fiber 3. Aramid Yarn

SPECIFICATIONS

	9/125(SM)	62.5/125(OM1)	50/125(OM2)	50/125 LOF(OM3)
Performance				
Attenuation (dB/km) 1310nm	≤0.4			
Attenuation (dB/km) 1550nm	≤0.3			
Attenuation (dB/km) 850nm		≤3.0	≤3.5	≤3.5
Attenuation (dB/km) 1300nm		≤1.0	≤1.5	≤1.5
Bandwidth (MHz/km) 850 nm		≥ 160	≥ 200	≥ 200
Bandwidth (MHz/km) 1300 nm		≥ 200	≥ 200	≥ 200
Dispersion (ps/nm.km) 1285~1330	≤3.5			
Dispersion (ps/nm.km) 1550	≤18.0			
Zero Dispersion Wavelength nm	1300~1324			
Zero Dispersion Slope (ps/nm.km)	≤0.095			
Fiber Cutoff Wavelength nm	≤1260			
Mode Field Diameter (µm)	9.2±0.5			
Mode Field Concertricity (µm)	≤0.8			
Mechanical				
Core Diameter (µm)	8.2	62.5 ±3	50 ±2.5	50 ±2.5
Clad Diameter (µm)	125 ±1.0	125 ± 1.0	125 ±1.0	125 ±1.0
Clad Non-Circularity (%)	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Coating-Clad Concentricity (µm)	≤ 12 .5	≤ 12.5	≤ 12.5	≤ 12.5
Coating Diameter (µm)	245 ±1.0	245 ±1.0	245 ±1.0	245 ±1.0
Bending, Dependence induced 1500nm, 1 turns, 32 mm diameter	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db
Proof Test kpsi	≥100			
Material				
Optical Fibers	Silica glass surrounded by acrylate coating			
Strength Member	Aramid / Fiberglass Yarn			
Cable Jacket	Φ 8.5 ±0.3mm, Flame rated PVC or LSOH			

STANDARDS / COMPLIANCE

TIA 568, ISO 11801, ICEA-696 Cable performance compliant
Meet or exceeds IEE 802.3 Ethernet (including 10 Gigabit Ethernet), ATM, Fibre Channel, FDDI

TEMPERATURE RATINGS

Operation	-20°C ~ +70°C
Storage/Shipping	-20°C ~ +70°C

ORDERING INFORMATION
Indoor Flat Ribbon Cable, 4-12 Fibers

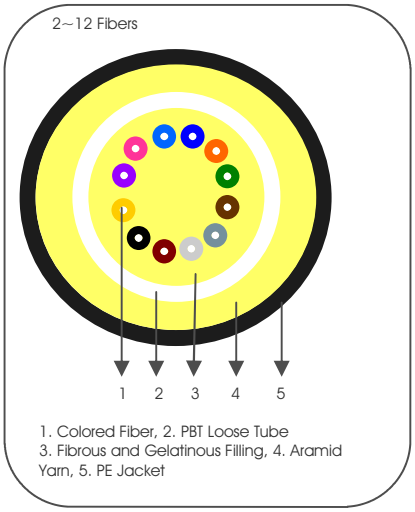
Fiber Count	Part No PVC	Part No LSOH	Nominal OD (mm)	Max.Wt (kg/km)	Tensile Load(N) Install	Tensile Load(N) Long Term	Crush Resistance (N/100) Install	Crush Resistance (N/100) Long Term	Bend Radius Install	Bend Radius Static
4	IFOCXXFR4	IFOCXXFR4L	3.5 x 2.5	12	600	200	500	500	35H	25H
6	IFOCXXFR6	IFOCXXFR6L	3.8 x 2.5	13	600	200	500	500	35H	25H
8	IFOCXXFR8	IFOCXXFR8L	4.5 x 2.5	15	600	200	500	500	35H	25H
12	IFOCXXFR12	IFOCXXFR12L	5.0 x 2.5	17	600	200	500	500	35H	25H

Replace XX with: SM - Single Mode | M1 - 62.5/125 | M2 - 50/125 | M3 - LOF 50/125
Packaging: Shipped on a wooden reel

Indoor/Outdoor Central Loose Tube Cable

Indoor Outdoor Central Loose Tube Cables are designed to save space, time and simplify fiber management by eliminating the need for splicing when entering buildings. Extremely flexible and economical this cable is ideal for low fiber count applications such as in aerial, duct, direct buried installations and riser indoor spaces.

In Central Loose Tube, strain-free fibers in a central loose tube are protected by a filling compound and are surrounded by dry water blocking and dielectric strength members. These are enclosed in a protective outer jacket. The outer jacket can be either flame rated PVC or LSOH with fiber types of 9/125 single mode, 62.5/125µm (OM1), 50/125µm (OM2) and laser-optimized 50/125µm (OM3).



1. Colored Fiber, 2. PBT Loose Tube
3. Fibrous and Gelatinous Filling, 4. Aramid Yarn, 5. PE Jacket

SPECIFICATIONS

	9/125(SM)	62.5/125(OM1)	50/125(OM2)	50/125 LOF(OM3)
Performance				
Attenuation (dB/km) 1310nm	≤0.4			
Attenuation (dB/km) 1550nm	≤0.3			
Attenuation (dB/km) 850nm		≤3.0	≤3.5	≤3.5
Attenuation (dB/km) 1300nm		≤1.0	≤1.5	≤1.5
Bandwidth (MHz/km) 850 nm		≥ 160	≥ 200	≥ 200
Bandwidth (MHz/km) 1300 nm		≥ 200	≥ 200	≥ 200
Dispersion (ps/nm.km) 1285~1330	≤3.5			
Dispersion (ps/nm.km) 1550	≤18.0			
Zero Dispersion Wavelength nm	1300~1324			
Zero Dispersion Slope (ps/nm.km)	≤0.095			
Fiber Cutoff Wavelength nm	≤1260			
Mode Field Diameter (µm)	9.2±0.5			
Mode Field Concertricity (µm)	≤0.8			
Mechanical				
Core Diameter (µm)	8.2	62.5 ±3	50 ±2.5	50 ±2.5
Clad Diameter (µm)	125 ±1.0	125 ± 1.0	125 ±1.0	125 ±1.0
Clad Non-Circularity (%)	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Coating-Clad Concentricity (µm)	≤ 12 .5	≤ 12.5	≤ 12.5	≤ 12.5
Coating Diameter (µm)	245 ±1.0	245 ±1.0	245 ±1.0	245 ±1.0
Bending, Dependence induced 1500nm, 1 turns, 32 mm diameter	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db
Proof Test kpsi	≥100			
Material				
Optical Fibers	Silica glass surrounded by acrylate coating			
Loose Tube	Φ 3.0 ±0.10㎜, Polybutylene Terephthalate (PBT)			
Strength Member	Aramid / Fiberglass Yarn			
Cable Jacket	Φ 8.5 ±0.3㎜, Flame rated PVC or LSOH			

STANDARDS / COMPLIANCE

TIA 568, ISO 11801, ICEA-696 Cable performance compliant
Meet or exceeds IEE 802.3 Ethernet (including 10 Gigabit Ethernet), ATM, Fibre Channel, FDDI

TEMPERATURE RATINGS

Operation	-40°C ~ +70°C
Storage/Shipping	-40°C ~ +70°C

ORDERING INFORMATION

Indoor Outdoor Central Loose Tube, 2-12 Fibers

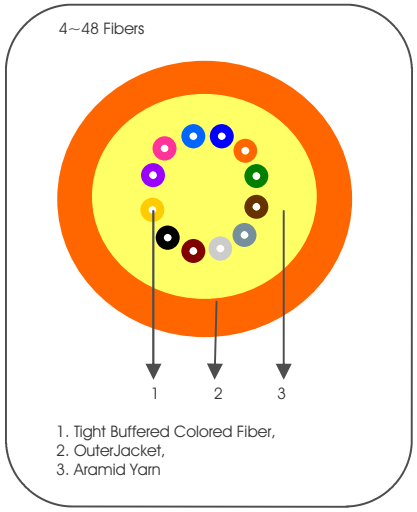
Fiber Count	Part No PVC	Part No LSOH	Nominal OD (mm)	Max.Wt (kg/km)	Tensile Load (N) Install	Tensile Load (N) Long Term	Crush Resistance (N/100) Install	Crush Resistance (N/100) Long Term	Bend Radius Install	Bend Radius Static
2	IFOCXXSLT2	IFOCXXSLT2L	8.5±0.3	71	1500	800	2000	1000	10D	15D
4	IFOCXXSLT4	IFOCXXSLT4L	8.5±0.3	71	1500	800	2000	1000	10D	15D
6	IFOCXXSLT6	IFOCXXSLT6L	8.5±0.3	71	1500	800	2000	1000	10D	15D
8	IFOCXXSLT8	IFOCXXSLT8L	8.5±0.3	71	1500	800	2000	1000	10D	15D
10	IFOCXXSLT10	IFOCXXSLT10L	8.5±0.3	71	1500	800	2000	1000	10D	15D
12	IFOCXXSLT12	IFOCXXSLT12L	8.5±0.3	71	1500	800	2000	1000	10D	15D

Replace XX with: SM - Single Mode | M1 - 62.5/125 | M2 - 50/125 | M3 - LOF 50/125
Packaging: Shipped on a wooden reel

Bend Insensitive Tight Buffer Cable

Infinique's Bend Insensitive Tight Buffer Cable, as the name indicates is suitable for applications where multiple bends are present. These cables are best suited for routing between communications closets, intra-building backbones and connectorized communication cables. It is very ideal for low fiber count networks, applications designed for use in indoor installations and FTTX networks. The cable construction is 900µm tight-buffered fibers surrounded by dielectric strength members and a protective outer jacket.

Fibre used in this Tight Buffer cable is compliant with ITU G.657 A and B specification and compatible with G.652.D fibers. Choice of flame rated PVC or LSOH water and moisture resistant sheath is used for the outer jacket. Fiber types could be of 9/125 single mode, 62.5/125µm (OM1), 50/125µm (OM2) and laser-optimized 50/125µm (OM3).



1. Tight Buffered Colored Fiber,
2. OuterJacket,
3. Aramid Yarn

SPECIFICATIONS

	9/125(SM)	62.5/125(OM1)	50/125/250(OM2)	50/125/250(OM3)
Performance				
Attenuation (dB/km) 1310nm	≤0.4			
Attenuation (dB/km) 1550nm	≤0.3			
Attenuation (dB/km) 850nm		≤3.0	≤3.5	≤3.5
Attenuation (dB/km) 1300nm		≤1.0	≤1.5	≤1.5
Bandwidth (MHz/km) 850 nm		≥ 200	≥ 300	≥ 300
Bandwidth (MHz/km) 1300 nm		≥ 300	≥ 300	≥ 300
Dispersion (ps/nm.km) 1285~1330	≤3.5			
Dispersion (ps/nm.km) 1550	≤18.0			
Zero Dispersion Wavelength nm	1300~1324			
Zero Dispersion Slope (ps/nm.km)	≤0.095			
Fiber Cutoff Wavelength nm	≤1260			
Mode Field Diameter (µm)	8.6±0.5			
Mode Field Concertricity (µm)	≤0.8			
Mechanical				
Core Diameter (µm)	8.2	62.5 ±3	50 ±2.5	50 ±2.5
Clad Diameter (µm)	125 ±1.0	125 ± 1.0	125 ±1.0	125 ±1.0
Clad Non-Circularity (%)	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Coating-Clad Concentricity (µm)	≤ 12 .5	≤ 12.5	≤ 12.5	≤ 12.5
Coating Diameter (µm)	245 ±1.0	245 ±1.0	245 ±1.0	245 ±1.0
Bending, Dependence induced 1500nm, 1 turns, 32 mm diameter	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db
Proof Test kpsi	≥100			
Material				
Optical Fibers	Silica glass surrounded by acrylate coating,			
Tight buffer	Flame rated PVC			
Strength members	Aramid Yarn			
Central member	Fiberglass Reinforced Plastic (FRP) + Cushion			
Cable and subunit jackets	Flame rated PVC / LSOH UV Stabilized			

STANDARDS / COMPLIANCE

TIA 568, ISO 11801, ICEA-696 Cable performance compliant
IEC 60793-2-50 Category B6_a and B6_b
EN 50 173-1: 2007, cat. OS2
EN 60793-2-50: Class B6_a and B6_b
ISO/IEC 11801: 2002, cat. OS1
ITU Recommendation G.652 designations A, B, C and D
IEEE 802.3 – 2002 incl. 802.3ae
EN 187 000, IEC 60794-2, IEC 60794-2-20, ISO 11801 2nd edition, EN 50 173-1
Meet or exceeds IEE 802.3 Ethernet (including 10 Gigabit Ethernet), ATM, Fibre Channel, FDDI

TEMPERATURE RATINGS

	Operation	Installation	Storage/Shipping
PVC	-20°C ~ +70°C	-20°C ~ +70°C	-40°C ~ +70°C
LSOH	-20°C ~ +70°C	-20°C ~ +70°C	-40°C ~ +70°C

ORDERING INFORMATION

Bend Insensitive Tight Buffer, 4-48 Fiber

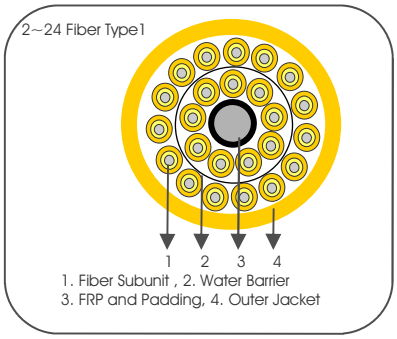
Fiber Count	Part No PVC	Part No LSOH	Nominal OD (mm)	Max. Wt (kg/km)	Tensile Load (N) Install	Tensile Load (N) Long Term	Crush Resistance (N/100) Install	Crush Resistance (N/100) Long Term
4	IFOCXXBTB4	IFOCXXBTB4L	4.8±0.2	18	270	90	1000	300
6	IFOCXXBTB6	IFOCXXBTB6L	5.2±0.2	23	330	110	1000	300
8	IFOCXXBTB8	IFOCXXBTB8L	6.2±0.2	29	480	160	1000	300
12	IFOCXXBTB12	IFOCXXBTB12L	6.8±0.2	37	600	200	1000	300
24	IFOCXXBTB24	IFOCXXBTB24L	8.4±0.2	61	720	240	1000	300
48	IFOCXXBTB48	IFOCXXBTB48L	12.5±0.2	121	1600	520	1000	300

Replace XX with: SM - Single Mode | M1 - 62.5/125 | M2 - 50/125 | M3 - LOF 50/125
Packaging: Shipped on a wooden reel

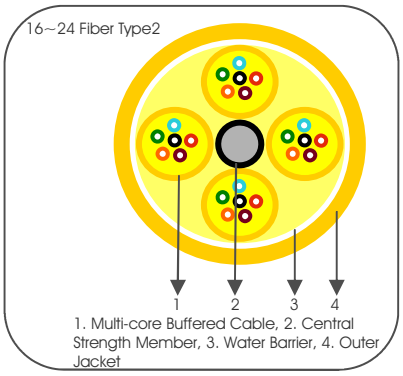
High Tensile Breakout Cable

Infinique's High Tensile Breakout Cables combine multiple fiber flexibility with the strength of individually jacketed fibers and can be terminated for fanout assemblies. The Breakout Cable comes in three configurations, Type1 consists of 2~24 fiber sub-units, Type2 consists of 16~24 fiber sub-units and Type3 consists of 36~72 fiber sub-units. Fiber sub-units are buffer designed with kevlar strength members which gives the cable high tensile strength and good bending performance. The fiber sub-units are SZ stranded around the central strength member. The cable construction is enclosed in an outer jacket available in PVC, LSOH or PE This outer jacket is UV radiation resistant, water-proof, mildew-proof, environmental stress endurable and with no acidic gas released to corrode switch room equipment.

High Tensile Breakout Cables are available with fiber types of 9/125 single mode, 62.5/125µm (OM1), 50/125µm (OM2) and laser-optimized 50/125µm (OM3).



1. Fiber Subunit , 2. Water Barrier
3. FRP and Padding, 4. Outer Jacket



1. Multi-core Buffered Cable, 2. Central Strength Member, 3. Water Barrier, 4. Outer Jacket

SPECIFICATIONS

	9/125(SM)	62.5/125(OM1)	50/125/250(OM2)	50/125/250(OM3)
Performance				
Attenuation (dB/km) 1310nm	≤0.4			
Attenuation (dB/km) 1550nm	≤0.3			
Attenuation (dB/km) 850nm		≤3.0	≤3.5	≤3.5
Attenuation (dB/km) 1300nm		≤1.0	≤1.5	≤1.5
Bandwidth (MHz/km) 850 nm		≥ 200	≥ 300	≥ 300
Bandwidth (MHz/km) 1300 nm		≥ 300	≥ 300	≥ 300
Dispersion (ps/nm.km) 1285~1330	≤3.5			
Dispersion (ps/nm.km) 1550	≤18.0			
Zero Dispersion Wavelength nm	1300~1324			
Zero Dispersion Slope (ps/nm.km)	≤0.095			
Fiber Cutoff Wavelength nm	≤1260			
Mode Field Diameter (µm)	8.6±0.5			
Mode Field Concertricity (µm)	≤0.8			
Mechanical				
Core Diameter (µm)	8.2	62.5 ±3	50 ±2.5	50 ±2.5
Clad Diameter (µm)	125 ±1.0	125 ± 1.0	125 ±1.0	125 ±1.0
Clad Non-Circularity (%)	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Coating-Clad Concentricity (µm)	≤ 12 .5	≤ 12.5	≤ 12.5	≤ 12.5
Coating Diameter (µm)	245 ±1.0	245 ±1.0	245 ±1.0	245 ±1.0
Bending, Dependence induced 1500nm, 1 turns, 32 mm diameter	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db
Proof Test kpsi	≥100			
Material				
Optical Fibers	Silica glass surrounded by acrylate coating,			
Fiber Subunit	Φ 5.0 ±0.3㎜, 900µm buffer, Kevlar Aramid Strength Member, PVC Jacket			
Central member	Fiberglass Reinforced Plastic (FRP) + Cushion			
Cable and subunit jackets	Flame rated PVC / LSOH UV Stabilized			

STANDARDS / COMPLIANCE

TIA 568, ISO 11801, ICEA-696 Cable performance compliant
Meet or exceeds IEE 802.3 Ethernet (including 10 Gigabit Ethernet), ATM, Fibre Channel, FDDI

TEMPERATURE RATINGS

	Operation	Installation	Storage/Shipping
Type1	-20°C ~ +60°C	-20°C ~ +60°C	-20°C ~ +60°C
Type2	-20°C ~ +70°C	-20°C ~ +70°C	-20°C ~ +70°C
Type1	-20°C ~ +70°C	-20°C ~ +70°C	-20°C ~ +70°C

ORDERING INFORMATION

High Tensile Breakout Cable Type1, 2-24 Fiber

Fiber Count	Part No PVC	Part No LSOH	Nominal OD (mm)	Max. Wt (kg/km)	Tensile Load (N) Install	Tensile Load (N) Long Term	Crush Resistance (N/100)	Bend Radius Install	Bend Radius Static
2~24	IFOCXXB1TN	IFOCXXTB1TNL	16.0±0.2	210	1300	400	1000		
High Tensile Breakout Cable Type2, 16-24 Fiber									
16~24	IFOCXXB2TN	IFOCXXTB2TNL	15.5±0.5	180	1000	300	1000	20H	10H
High Tensile Breakout Cable Type3, 36-72 Fiber									
36 (6x6)	IFOCXXB3T36	IFOCXXB3T36L	20.5±0.8	210	1000	300	1000	20H	10H
48 (6x8)	IFOCXXB3T48	IFOCXXB3T48L	22.5±0.8	250	1300	400	1000	20H	10H
72 (6x12)	IFOCXXB3T72	IFOCXXB3T72L	25.5±0.8	300	1300	400	1000	20H	10H

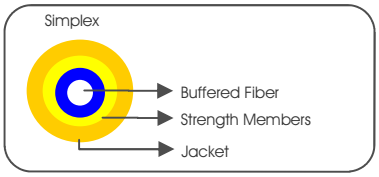
Replace XX with: SM - Single Mode | M1 - 62.5/125 | M2 - 50/125 | M3 - LOF 50/125
Packaging: Shipped on a wooden reel

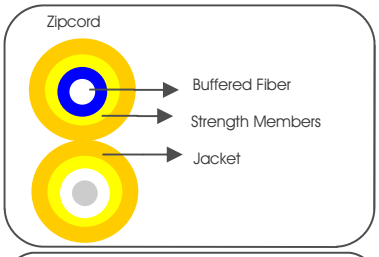
Indoor Interconnect Cable

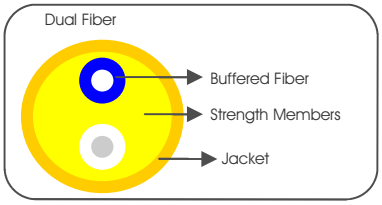
Infinique's Interconnect Cable comes as Simplex, Zipcord, Dual and Quad cables. Simplex and Zipcord cables are designed for use in jumpers and pigtails and in connectorization processes. Dual and Quad cables are designed for use in jumpers, pigtails and as horizontal cables.

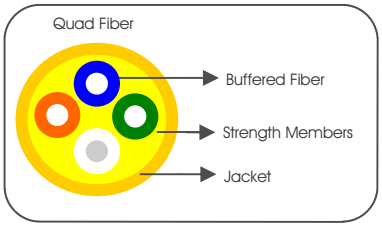
Construction comprises of 900µm tight-buffered fibers surrounded by dielectric strength members and a protective outer jacket. These are designed for a variety of custom options and can satisfy the most demanding applications.

Interconnect Cables are available in plenum, riser and riser (LZOH) constructions with fiber types of 9/125 single mode, 62.5/125µm (OM1) and 50/125µm (OM2).









SPECIFICATIONS

	9/125(SM)	62.5/125(OM1)	50/125/250(OM2)	50/125/250(OM3)
Performance				
Attenuation (dB/km) 1310nm	≤0.4			
Attenuation (dB/km) 1550nm	≤0.3			
Attenuation (dB/km) 850nm		≤3.0	≤3.5	≤3.5
Attenuation (dB/km) 1300nm		≤1.0	≤1.5	≤1.5
Bandwidth (MHz/km) 850 nm		≥ 200	≥ 300	≥ 300
Bandwidth (MHz/km) 1300 nm		≥ 300	≥ 300	≥ 300
Dispersion (ps/nm.km) 1285~1330	≤3.5			
Dispersion (ps/nm.km) 1550	≤18.0			
Zero Dispersion Wavelength nm	1300~1324			
Zero Dispersion Slope (ps/nm.km)	≤0.095			
Fiber Cutoff Wavelength nm	≤1260			
Mode Field Diameter (µm)	8.6±0.5			
Mode Field Concertricity (µm)	≤0.8			
Mechanical				
Core Diameter (µm)	8.2	62.5 ±3	50 ±2.5	50 ±2.5
Clad Diameter (µm)	125 ±1.0	125 ± 1.0	125 ±1.0	125 ±1.0
Clad Non-Circularity (%)	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Coating-Clad Concentricity (µm)	≤ 12 .5	≤ 12.5	≤ 12.5	≤ 12.5
Coating Diameter (µm)	245 ±1.0	245 ±1.0	245 ±1.0	245 ±1.0
Bending, Dependence induced 1500nm, 1 turns, 32 mm diameter	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db
Proof Test kpsi	≥100			
Material				
Optical Fibers	Silica glass surrounded by acrylate coating			
Tiight Buffer	Flame rated PVC			
Strength Member	Aramid Yarn			
Cable Jacket	Flame rated PVC			

STANDARDS / COMPLIANCE

TIA 568, ISO 11801, ICEA-696 Cable performance compliant
Meet or exceeds IEE 802.3 Ethernet (including 10 Gigabit Ethernet), ATM, Fibre Channel, FDDI

TEMPERATURE RATINGS

Rating	Operation	Installation	Storage/Shipping
Plenum (OFNP)	-20°C ~ +50°C	-20°C ~ +50°C	-40°C ~ +65°C
Riser (OFNR)	-20°C ~ +50°C	-20°C ~ +50°C	-40°C ~ +65°C

ORDERING INFORMATION

Interconnect Cables 1-4 Fibers

Cable Type	Fiber Count	Part No Riser	Part No Plenum	Nominal OD (mm)	Max. Wt (kg/km)	Bend Radius (mm) Install	Bend Radius (mm) Long Term	Tensile Load (N) Install	Tensile Load (N) Long Term
Simplex	1	IFOCXXICS1	IFOCXXICS1P	2.9	8|9	58	29	220	55
Zipcord	2	IFOCXXICZ2	IFOCXXICZ2P	2.9 x 5.8	15|18	58	29	220	55
Dual	2	IFOCXXICD2	IFOCXXICD2P	4.8	19|23	95	48	220	55
Quad	4	IFOCXXICQ4	IFOCXXICQ4P	4.8	21|25	95	48	220	55

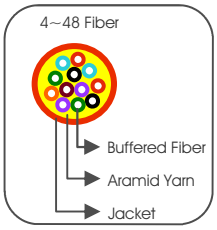
Replace XX with: SM - Single Mode | M1 - 62.5/125 | M2 - 50/125 | M3 - LOF 50/125
Packaging: Shipped on a wooden reel

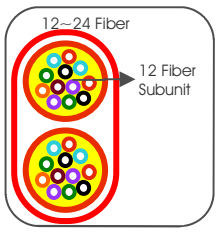
Indoor
Tight Buffer Cable

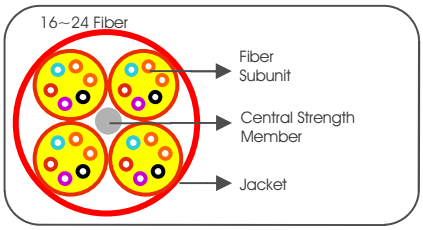
Infinique Tight Buffer Cable (6-48) are for routing between communications closets, intra-building backbones and connectorized communication cables. These are ideal for low fiber count networks and applications. The cable construction is 900µm tight-buffered fibers surrounded by dielectric strength members and a protective outer jacket.

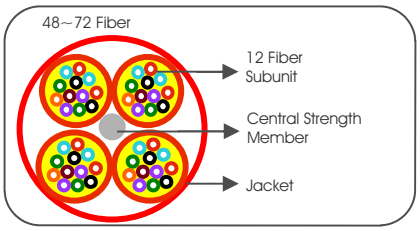
Round construction cables (24-72) are designed for intra-building backbones and connectorized communication cables. Cable designs are optimized for maximum flexibility. Subunits bound around a dielectric central strength member and covered with an outer jacket.

Tight Buffer Cables are available in plenum and riser constructions with fiber types of 9/125 single mode, 62.5/125µm (OM1), 50/125µm (OM2), laser-optimized 50/125µm (OM3).









SPECIFICATIONS

	9/125(SM)	62.5/125(OM1)	50/125/250(OM2)	50/125/250(OM3)
Performance				
Attenuation (dB/km) 1310nm	≤0.4			
Attenuation (dB/km) 1550nm	≤0.3			
Attenuation (dB/km) 850nm		≤3.0	≤3.5	≤3.5
Attenuation (dB/km) 1300nm		≤1.0	≤1.5	≤1.5
Bandwidth (MHz/km) 850 nm		≥ 200	≥ 300	≥ 300
Bandwidth (MHz/km) 1300 nm		≥ 300	≥ 300	≥ 300
Dispersion (ps/nm.km) 1285~1330	≤3.5			
Dispersion (ps/nm.km) 1550	≤18.0			
Zero Dispersion Wavelength nm	1300~1324			
Zero Dispersion Slope (ps/nm.km)	≤0.095			
Fiber Cutoff Wavelength nm	≤1260			
Mode Field Diameter (µm)	8.6±0.5			
Mode Field Concertricity (µm)	≤0.8			
Mechanical				
Core Diameter (µm)	8.2	62.5 ±3	50 ±2.5	50 ±2.5
Clad Diameter (µm)	125 ±1.0	125 ± 1.0	125 ±1.0	125 ±1.0
Clad Non-Circularity (%)	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Coating-Clad Concentricity (µm)	≤ 12 .5	≤ 12.5	≤ 12.5	≤ 12.5
Coating Diameter (µm)	245 ±1.0	245 ±1.0	245 ±1.0	245 ±1.0
Bending, Dependence induced 1500nm, 1 turns, 32 mm diameter	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db
Proof Test kpsi	≥100			
Material				
Optical Fibers	Silica glass surrounded by acrylate coating,			
Tight buffer	Flame rated PVC			
Strength members	Aramid Yarn			
Central member	Fiberglass Reinforced Plastic (FRP) + Cushion			
Cable and subunit jackets	Flame rated PVC / LSOH			

STANDARDS / COMPLIANCE

TIA 568, ISO 11801, ICEA-696 Cable performance compliant
Meet or exceeds IEE 802.3 Ethernet (including 10 Gigabit Ethernet), ATM, Fibre Channel, FDDI

TEMPERATURE RATINGS

	Operation	Installation	Storage/Shipping
PVC	-20°C ~ +70°C	-20°C ~ +70°C	-20°C ~ +70°C
LSOH	-20°C ~ +70°C	-20°C ~ +70°C	-20°C ~ +70°C

ORDERING INFORMATION
Tight Buffer, 4-48 Fiber

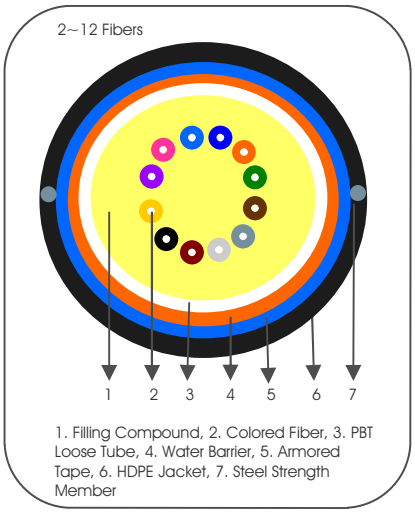
Fiber Count	Part No PVC	Part No LSOH	Nominal OD (mm)	Max. Wt (kg/km)	Tensile Load (N) Install	Tensile Load (N) Long Term	Crush Resistance (N/100) Install	Crush Resistance (N/100) Long Term
4	IFOCXXTB4	IFOCXXTB4L	4.8+-0.2	18	270	90	1000	300
6	IFOCXXTB6	IFOCXXTB6L	5.2+-0.2	23	330	110	1000	300
8	IFOCXXTB8	IFOCXXTB8L	6.2+-0.2	29	480	160	1000	300
12	IFOCXXTB12	IFOCXXTB12L	6.8+-0.2	37	600	200	1000	300
24	IFOCXXTB24	IFOCXXTB24L	8.4+-0.2	61	720	240	1000	300
48	IFOCXXTB48	IFOCXXTB48L	12.5+-0.2	121	1600	520	1000	300
Tight Buffer, SBS Construction, 24 Fiber								
24	IFOCXXTB24S	IFOCTBXX24SL	7.2x13.4	R: 87 | P: 117	144	72	R: 1335 | P: 667	R:334 | P: 167
Tight Buffer, Round Construction, 24-72 Fiber								
24 (4x6)	IFOCXXTB24R	IFOCXXTB24RL	13.2	R: 160 | P: 200	201	134	R: 1335 | P: 667	R:334 | P: 167
36 (6x6)	IFOCXXTB36R	IFOCXXTB36RL	16.4	R: 210 | P: 260	348	174	R: 1335 | P: 667	R:334 | P: 167
48 (4x12)	IFOCXXTB48R	IFOCXXTB48RL	18.2	R: 250 | P: 310	360	180	R: 1335 | P: 667	R:334 | P: 167
72 (6x12)	IFOCXXTB72R	IFOCXXTB72RL	22.0	R: 380 | P: 460	432	216	R: 1335 | P: 667	R:334 | P: 167

Replace XX with: SM - Single Mode | M1 - 62.5/125 | M2 - 50/125 | M3 - LOF 50/125
Packaging: Shipped on a wooden reel

Outdoor Armored Central Loose Tube Cable

Central Loose Tube Armored Cable is suitable for installation in aerial or duct environment for communication between bureaus, metropolitan network, access network and is especially suitable for high-density fiber requirement. Precise design, control for fiber excess length and distinct stranding process render the cable excellent mechanical and environmental properties. The armoring of steel wires, steel tapes and PE jacket makes it more moisture and crush resistance. The small diameter of the cable and light weight makes it easily to lay.

Central Loose Tube Armored Cables are available in fiber counts of, 2, 4, 6, 8, 10 and 12 fiber types of 9/125 single mode, 62.5/125μm (OM1), 50/125μm (OM2), laser-optimized 50/125μm (OM3).



1. Filling Compound, 2. Colored Fiber, 3. PBT Loose Tube, 4. Water Barrier, 5. Armored Tape, 6. HDPE Jacket, 7. Steel Strength Member

SPECIFICATIONS

	9/125(SM)	62.5/125(OM1)	50/125/250(OM2)	50/125/250(OM3)
Performance				
Attenuation (dB/km) 1310nm	≤0.4			
Attenuation (dB/km) 1550nm	≤0.3			
Attenuation (dB/km) 850nm		≤3.0	≤3.5	≤3.5
Attenuation (dB/km) 1300nm		≤1.0	≤1.5	≤1.5
Bandwidth (MHz/km) 850 nm		≥ 200	≥ 300	≥ 300
Bandwidth (MHz/km) 1300 nm		≥ 300	≥ 300	≥ 300
Dispersion (ps/nm.km) 1285~1330	≤3.5			
Dispersion (ps/nm.km) 1550	≤18.0			
Zero Dispersion Wavelength nm	1300~1324			
Zero Dispersion Slope (ps/nm.km)	≤0.095			
Fiber Cutoff Wavelength nm	≤1260			
Mode Field Diameter (μm)	8.6±0.5			
Mode Field Concertricity (μm)	≤0.8			
Mechanical				
Core Diameter (μm)	8.2	62.5 ±3	50 ±2.5	50 ±2.5
Clad Diameter (μm)	125 ±1.0	125 ± 1.0	125 ±1.0	125 ±1.0
Clad Non-Circularity (%)	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Coating-Clad Concentricity (μm)	≤ 12 .5	≤ 12.5	≤ 12.5	≤ 12.5
Coating Diameter (μm)	245 ±1.0	245 ±1.0	245 ±1.0	245 ±1.0
Bending, Dependence induced 1500nm, 1 turns, 32 mm diameter	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db
Proof Test kpsi	≥100			

Material	
Optical Fibers	Φ 242 ±7 μm, Silica glass surrounded by acrylate coating
Filling Compound	Hygroscopic Gel
Loose Tube	Φ 2.10 ±0.10㎜, Polybutylene Terephthalate (PBT)
Water Barrier	Impregnated with super absorbent polymers
Armor	Plastic coated steel tape
Strength Member	Steel Wire
Cable Jacket	Φ 8.0 ±0.3㎜, Black High Density Polyethylene (HDPE)

STANDARDS / COMPLIANCE

TIA 568, ISO 11801, ICEA-696 Cable performance compliant
Meet or exceeds IEE 802.3 Ethernet (including 10 Gigabit Ethernet), ATM, Fibre Channel, FDDI

TEMPERATURE RATINGS

Operation	-40°C ~ +70°C
Storage/Shipping	-40°C ~ +70°C

ORDERING INFORMATION

Central Loose Tube Armored Cable, 2-12 Fibers

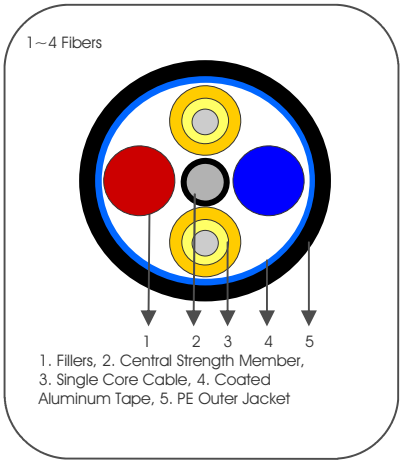
Fiber Count	Part No Armored	Nominal OD (mm)	Max. Wt (kg/km)	Bend Radius (mm) Install	Bend Radius (mm) Static	Tensile Load (N) Install	Tensile Load (N) Long Term
2	IFOCXXLT2A	8.0±0.3	62	20D	10D	2500	800
4	IFOCXXLT4A	8.0±0.3	62	20D	10D	2500	800
6	IFOCXXLT6A	8.0±0.3	62	20D	10D	2500	800
8	IFOCXXLT8A	8.0±0.3	62	20D	10D	2500	800
10	IFOCXXLT10A	8.0±0.3	62	20D	10D	2500	800
12	IFOCXXLT12A	8.0±0.3	62	20D	10D	2500	800

Replace XX with: SM - Single Mode | M1 - 62.5/125 | M2 - 50/125 | M3 - LOF 50/125
Packaging: Shipped on a wooden reel

Outdoor Re-deployable Rugged Cable

Infinique's Re-deployable Rugged Cable is designed for applications in harsh environments such as broadcast, mining, industrial and military communications. These Rugged cables resist abrasion, cut-through, and crushing and has been designed to suit rugged military mechanical standards to withstand harsh field abuse and tight-bend radiuses. Infinique Re-deployable Rugged Cable are small and lightweight, which gives improved flexibility in a wide range of outdoor temperatures and weather conditions.

Construction of the cable is one surrounded or more single-core cables SZ stranded around the metallic central strength member. Longitudinal aluminum polyethylene laminate (APL) is applied around the core as additional water barrier and Polyethylene (PE) outer sheath.



1. Fillers, 2. Central Strength Member, 3. Single Core Cable, 4. Coated Aluminum Tape, 5. PE Outer Jacket

SPECIFICATIONS

	9/125(SM)	62.5/125(OM1)	50/125/250(OM2)	50/125/250(OM3)
Performance				
Attenuation (dB/km) 1310nm	≤0.4			
Attenuation (dB/km) 1550nm	≤0.3			
Attenuation (dB/km) 850nm		≤3.0	≤3.5	≤3.5
Attenuation (dB/km) 1300nm		≤1.0	≤1.5	≤1.5
Bandwidth (MHz/km) 850 nm		≥ 200	≥ 300	≥ 300
Bandwidth (MHz/km) 1300 nm		≥ 300	≥ 300	≥ 300
Dispersion (ps/nm.km) 1285~1330	≤3.5			
Dispersion (ps/nm.km) 1550	≤18.0			
Zero Dispersion Wavelength nm	1300~1324			
Zero Dispersion Slope (ps/nm.km)	≤0.095			
Fiber Cutoff Wavelength nm	≤1260			
Mode Field Diameter (μm)	8.6±0.5			
Mode Field Concertricity (μm)	≤0.8			
Mechanical				
Core Diameter (μm)	8.2	62.5 ±3	50 ±2.5	50 ±2.5
Clad Diameter (μm)	125 ±1.0	125 ± 1.0	125 ±1.0	125 ±1.0
Clad Non-Circularity (%)	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Coating-Clad Concentricity (μm)	≤ 12 .5	≤ 12.5	≤ 12.5	≤ 12.5
Coating Diameter (μm)	245 ±1.0	245 ±1.0	245 ±1.0	245 ±1.0
Bending, Dependence induced 1500nm, 1 turns, 32 mm diameter	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db	≤ 0.5 db
Proof Test kpsi	≥100			
Material				
Optical Fibers	Silica glass surrounded by acrylate coating			
Fiber Subunit	Φ 5.0 ±0.3㎜, 900μm buffer, Kevlar Aramid Strength Member, PVC Jacket			
Central member	Fiberglass Reinforced Plastic (FRP) + Cushion			
Cable and subunit jackets	Flame rated PVC / LSOH UV Stabilized			

STANDARDS / COMPLIANCE

TIA 568, ISO 11801, ICEA-696 Cable performance compliant
Meet or exceeds IEE 802.3 Ethernet (including 10 Gigabit Ethernet), ATM, Fibre Channel, FDDI

TEMPERATURE RATINGS

Operation	Installation	Storage/Shipping
-20°C ~ +60°C	-20°C ~ +60°C	-20°C ~ +60°C

ORDERING INFORMATION

Re-deployable Rugged Cable 1-4 Fiber

Fiber Count	Part No PVC	Nominal OD (mm)	Max. Wt (kg/km)	Tensile Load (N) Install	Tensile Load (N) Long Term	Bend Radius Install	Bend Radius Static
1~4	IFOCXXRDN	9.8	83	1000	300	20D	10D

Replace XX with: SM - Single Mode | M1 - 62.5/125 | M2 - 50/125 | M3 - LOF 50/125
Packaging: Shipped on a wooden reel

Fiber Optic Components

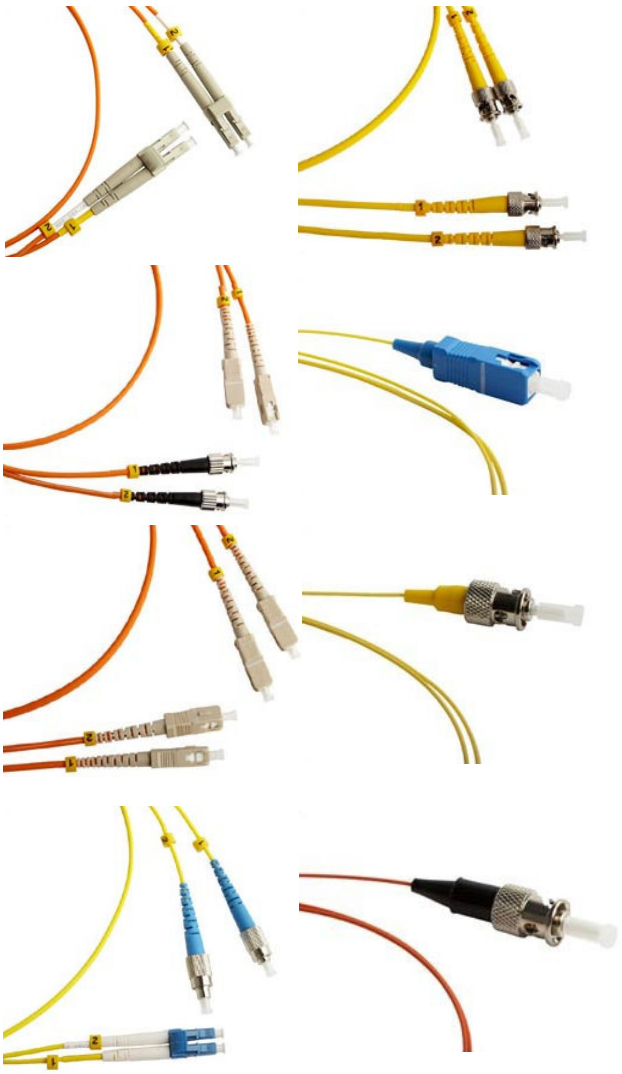
Infinique's multimode and singlemode fiber optic end-to-end solutions are designed to provide network users with the capacity to support up to and beyond 10 Gb/s data throughput. Supported by LC and SC style connecting hardware, Infinique's fiber optic solutions are ideal for high-speed LAN backbones, storage area networks (SAN) and FTTH applications.

Infinique's fiber enclosures are feature-rich and provide easily implemented options for managing critical fiber connectivity. With versions supporting up to 288 fiber ports, Infinique's Rack Mount Fiber Panels offer superior density, accessibility, slack management, security and port identification. Wall mount versions, which share many of the user-friendly features, are also available.

Section Contents

Patch Cord and Pigtails

Infinique's patch cords provide connections from the work area to the wall outlet, or from active equipment to the patch panel. These applications include connecting to network interface cards (NIC), or to a fiber hub, router or switch.
Cords are available as duplex or simplex 62.5/125, 50/125 MM, 50/125 Laser Optimized or SM fibers. We offer LC, SC, ST or MT-RJ connectors. All patch cords are factory polished and 100% optically tested for superior performance.



Features

- Zirconia Ferrules for high performance / durability
- Precisely engineered housing for consistent mating
- Lower insertion loss, minimum signal impact
- Environmental stability through wide temperature operating range
- Cords: Duplex / Simplex, 62.5/125, 50/125 MM, 50/125 Laser Optimized and Single Mode fibers.
- Connectors: LC, SC, ST, FC or MT-RJ.
- Factory polished patch cords and 100% optically tested for superior performance.

MATERIAL SPECIFICATIONS

Phosphor Bronze Centering Sleeve
Plastic housing combustibility VO
Nickelized Brass
Recommended cut-out: Simplex 0.525" x 0.390", Duplex 1.024" x 0.375"

OPTICAL SPECIFICATIONS

Insertion Loss: 0.3 dB
1000 Mating Cycles
Retention Force: 2000 ~ 600 gms
Operating Temperature: -20˚c ~+70˚c

STANDARDS/COMPLIANCE

UL-V0 Flammability Rating
Meets TIA/EIA –568-B.3 Specifications

Ordering Information

Part No.	Description
IFPTXXLCN	LC Pigtail
IFPTXXSCN	SC Pigtail
IFPTXXSTN	ST Pigtail
IFPTXXMTRJN	MTRJ Pigtail

Ordering Information

Part No.	Description
IFPCXXLCSCN	LC-SC Simplex Patch Cord
IFPCXXLCSCN	LC-LC Simplex Patch Cord
IFPCXXSCSCN	SC-SC Simplex Patch Cord
IFPCXXSTSTN	ST-ST Simplex Patch Cord
IFPCXXMTRJN	MTRJ-MTRJ Simplex Patch Cord
IFPCXXLCSCDN	LC-SC Simplex Patch Cord
IFPCXXLCSCDN	LC-LC Simplex Patch Cord
IFPCXXSCSCDN	SC-SC Simplex Patch Cord
IFPCXXSTSTDN	ST-ST Simplex Patch Cord
IFPCXXMTRJDN	MTRJ-MTRJ Simplex Patch Cord

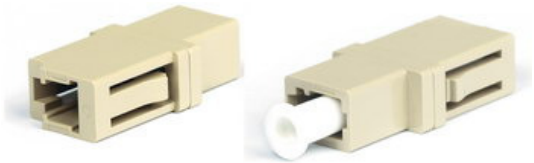
Replace XX with: SM - Single Mode | M1 - 62.5/125 | M2 - 50/125 | M3 - LOF 50/125
Replace N with 1, 2, 3 … N Meters

Fiber Adapters

Infinique's Fiber Adaptors can be used with fiber adaptor panels to load on the Fiber patch-panels or work outlets. Features of these adapters include, Engineered Plastic Housing, Phosphor Bronze / Zirconia Split Sleeves, Precise Centering of Connectors Ferrules in Sleeves and Snap-in Connection secured with M2 Screws.

Meets the requirements of TIA/EIA-568-C.3. Available is SC, LC, ST, FC, MTRJ as both simplex and duplex.

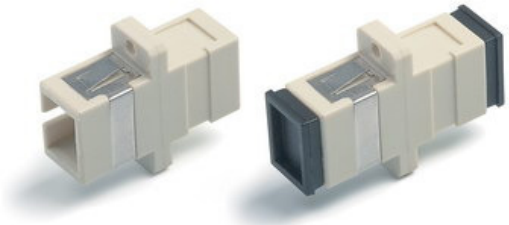
IFAMMSTSTS - ST-ST, MM, Simplex Adaptor



IFAMMLCLCS - LC-LC, MM, Simplex Adaptor

IFAMMFCFCS - FC-FC, MM, Simplex Adaptor

IFAMMSCSCD - SC-SC, MM, Duplex Adaptor



IFAMMSCSCS - SC-SC, MM, Simplex Adaptor

IFAMMSCFCS - SC-FC, MM, Simplex Adaptor

IFAMMSCSTS - SC-ST, MM, Simplex Adaptor

IFAMMLCLCD - LC-LC, MM, Duplex Adaptor

IFAMMSCSTD - SC-ST, MM, Duplex Adaptor

Ordering Information
Delivery: Package of 10 includes adapters with sleeves.

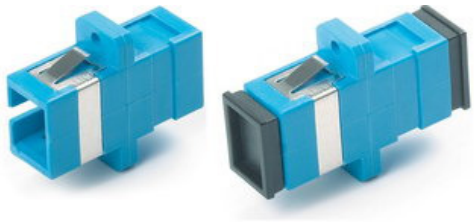
Part No.	Description
IFAMMSCSCS	Infinique SC-SC Multimode Simplex
IFAMMLCLCS	Infinique LC-LC Multimode Simplex
IFAMMSTSTS	Infinique ST-ST Multimode Simplex
IFAMMFCFCS	Infinique FC-FC Multimode Simplex
IFAMMSCFCS	Infinique SC-FC Multimode Simplex
IFAMMSCSTS	Infinique SC-ST Multimode Simplex
IFAMMSCSCD	Infinique SC-SC Multimode Duplex
IFAMMSCSTD	Infinique SC-ST Multimode Duplex
IFAMMLCLCD	Infinique LC-LC Multimode Duplex

MATERIAL SPECIFICATIONS
Phosphor Bronze Centering Sleeve
Plastic housing combustibility VO
Nickelized Brass
Recommended cut-out: Simplex 0.525" x 0.390", Duplex 1.024" x 0.375"

OPTICAL SPECIFICATIONS
Insertion Loss: 0.3 dB
1000 Mating Cycles
Retention Force: 2000 ~ 600 gms
Operating Temperature: -20˚c ~+70˚c

STANDARDS/COMPLIANCE
UL-V0 Flammability Rating
Meets TIA/EIA –568-B.3 Specifications

Fiber Adapters

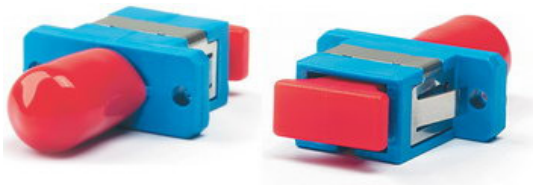


IFASMSCSCS - SC-SC, SM, Simplex Adaptor

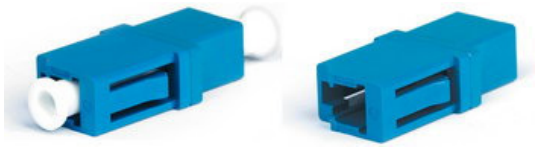
IFASMSTSTS - ST-ST, SM, Simplex Adaptor

IFASMSCFCS - SC-FC, SM, Simplex Adaptor

IFASMFCFCS - FC-FC, SM, Simplex Adaptor

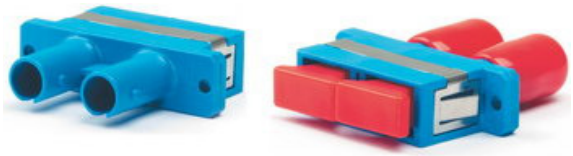


IFASMSCSTS - SC-ST, SM, Simplex Adaptor



IFASMLCLCS - LC-LC, SM, Simplex Adaptor

IFASMSCSCD - SC-SC, SM, Duplex Adaptor



IFASMSCSTD - SC-ST, SM, Duplex Adaptor

IFASMLCLCD - LC-LC, SM, Duplex Adaptor

Ordering Information
Delivery: Package of 10 includes adapters with sleeves.

Part No.	Description
IFASMSCSCS	Infinique SC-SC Single-mode Simplex
IFASMSTSTS	Infinique ST-ST Single-mode Simplex
IFASMSCFCS	Infinique SC-FC Single-mode Simplex
IFASMFCFCS	Infinique FC-FC Single-mode Simplex
IFASMSCSTS	Infinique SC-ST Single-mode Simplex
IFASMLCLCD	Infinique LC-LC Single-mode Duplex
IFASMSCSCD	Infinique SC-SC Single-mode Duplex
IFASMSCSTD	Infinique SC-ST Single-mode Duplex
IFASMLCLCD	Infinique LC-LC Single-mode Duplex

Fiber Connectors

Infinique offers the customer access to a range of connectors which offer quicker termination with no epoxy, baking or polishing required. All connectors have been manufactured from the highest quality materials. Features include, Low insertion and low return losses and are environmentally stable, Zirconia Connector Ferrules, Precise Centering of Connectors' Ferrules in Sleeves, Inline and Fiber Optic Connectors installed at ends. The connectors are available in single mode and multimode versions.

IFCSMFC3 - FC, SM, 3 mm

IFCSMST3 - ST, SM, 3 mm

IFCSMSC3 - SC, SM, 3 mm

IFCMMST3 - ST, MM, 3 mm

IFCMMSC3 - SC, MM, 3 mm

IFCMMMTRJ18 - MTRJ, MM, 1.8 mm

IFCSMFC09 - FC, SM, 0.9mm

IFCSMST09 - ST, SM, 0.9 mm

IFCSMSC09 - SC, SM, 0.9 mm

IFCMMST09 - ST, MM, 0.9 mm

IFCMMSC09 - SC, MM, 0.9 mm

MATERIAL SPECIFICATIONS

Precision PC Zirconium Ferrule.
Bayonet Coupling
Convex Ferrule, 0.8 (20 mm) Radius

OPTICAL SPECIFICATIONS

Insertion Loss: 0.3 dB
Return Loss: 0.5 dB
Operating Temperature: -20˚c ~+70˚c

STANDARDS/COMPLIANCE

UL-V0 Flammability Rating
Meets TIA/EIA –568-B.3 Specifications

Ordering Information

Delivery: Package 1 connector, boot and dust cap.

Part No.	Type	Boot Size
IFCSMFC3	Single mode	3 mm
IFCSMFC09	Single mode	0.9 mm
IFCSMST3	Single mode	3 mm
IFCSMST09	Single mode	0.9 mm
IFCSMSC3	Single mode	3 mm
IFCSMSC09	Single mode	0.9 mm
IFCMMST3	Multi mode	3 mm
IFCMMST09	Multi mode	0.9 mm
IFCMMSC3	Multi mode	3 mm
IFCMMSC09	Multi mode	0.9 mm
IFCMMMTRJ18	Multi mode	1.8 mm

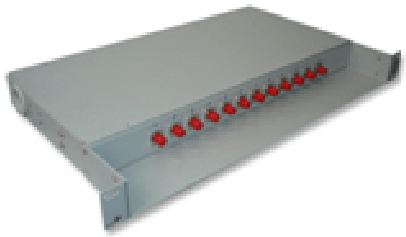
Rack Mountable Fiber Enclosure

Infinique provides a wide range of rack mountable fiber enclosures which offers superior fiber density. Enclosure features include a fully removable tray, improved labelling, standard front and rear door locks, and single-finger door latches. With superior cable management, port identification, fiber accessibility and security, the Fiber Center Enclosure is the best way to protect mission critical fiber connections.

IFRMSFC36 - Rack Mount Fiber Center (12 ~144 ports)

IFRMSPP24 - Sliding Rack Mount Patch Panel (12~48 ports)

IFRMPP24 - Rack Mount Patch Panel (24 ports)



IFRMPP12 - Rack Mount Patch Panel (12 ports)

Quick-Release Hinges - Spring loaded quick-release hinges enable easy removal of front and rear doors for complete access to fiber connections
Enhanced Labeling - Label virtually any port configuration with our hinged labels. The labels hang on the front door for improved visibility. When the door is opened, labels flip down allowing ready viewing of the label and corresponding ports
Rotating Grommets - Rotating grommets facilitate loading and retention of jumpers and fiber while minimizing micro-bending stress when using the sliding tray

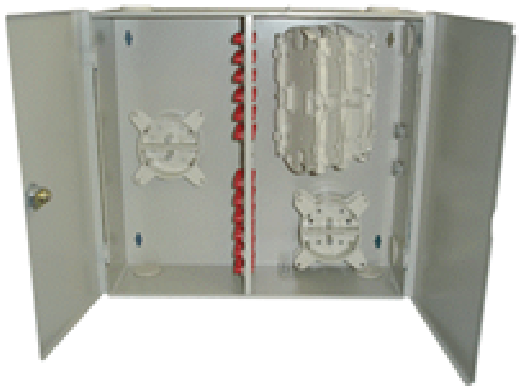
Complete Access - Management tray has a positive stop in both front and rear working positions providing complete access for moving, adding, changing, or cleaning of fiber connections
Maximum Capacity - They enable a maximum amount of fibers to be patched or patched and spliced in a 2, 3, and 4U enclosure without compromising accessibility. This allows more efficient utilization of rack space
Superior Design - Top and bottom access holes located at the rear of the enclosure allow fibers to be routed between tandem enclosures without having to run fibers outside of the enclosure

ORDERING INFORMATION
Rack Mountable Fiber Enclosure

Part No	Description	Adapter Options	Ports	Rack Units
IFRMSFC12	Rack Mount Fiber Center	ST, SC, LC	12	1
IFRMSFC24	Rack Mount Fiber Center	ST, SC, LC	24	2
IFRMSFC36	Rack Mount Fiber Center	ST, SC, LC	36	2
IFRMSFC48	Rack Mount Fiber Center	ST, SC, LC	48	3
IFRMSFC72	Rack Mount Fiber Center	ST, SC, LC	72	4
IFRMSFC96	Rack Mount Fiber Center	ST, SC, LC	96	5
IFRMSFC144	Rack Mount Fiber Center	ST, SC, LC	144	8
IFRMSPP12	Sliding Rack Mount Patch Panel	ST, SC, LC	12	1
IFRMSPP24	Sliding Rack Mount Patch Panel	ST, SC, LC	24	1
IFRMSPP48	Sliding Rack Mount Patch Panel	ST, SC, LC	48	1
IFRMPP12	Rack Mount Patch Panel	ST, SC, LC	12	1
IFRMPP24	Rack Mount Patch Panel	ST, SC, LC	24	1
IFRMPP48	Rack Mount Patch Panel	ST, SC, LC	48	1

Wall Mountable Fiber Enclosure

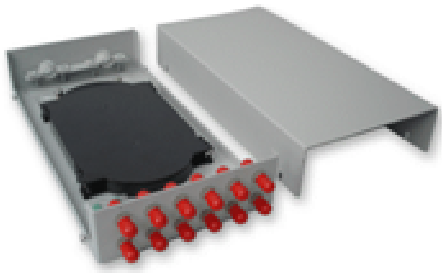
Infinique's Wall Mount Fiber Enclosure is a cost-effective fiber enclosure designed to manage and protect up to 96 fiber connections. The low-profile, compact design makes it ideal for telecommunications rooms or other installation areas where wall space is a premium. The adapter mounting method is standardized on the same snap-in Quick-Pack™ adapter plates used in our family of Rack Mount Interconnect Centers (RIC3).



IFWMPB12 - Wall Mount Patch Box (12~48 ports)

IFWMSPB12 - Wall Mount Stainless Terminal Box (12 ports)

IFWMSPB12 - 24 Pigtails Option



IFWMPB12 - Wall Mount Terminal Box

IFWMPB12 - 24 Pigtails Option

Convenient Labeling - Convenient labeling system includes removable clear label holders for storing and protecting fiber documentation
Door Options - Doors on enclosure and jumper guard can be ordered with independent key lock or latching options
Optional Splice Tray Bracket - Optional bracket available for mounting multiple splice trays

Available with Adapter Plates - Adapter plates are available with SC, ST, or LC adapters
Fiber Jumper Guard - Integrated hinged fiber guard provides jumper protection and management
Accessories - Dust-proofing grommets included

ORDERING INFORMATION
Rack Mountable Fiber Enclosure

Part No	Description	Adapter Options	Ports
IFWMPB12	Indoor/Outdoor Wall Mount Patch Box	ST, SC, LC	12
IFWMPB24	Indoor/Outdoor Wall Mount Patch Box	ST, SC, LC	24
IFWMPB36	Indoor/Outdoor Wall Mount Patch Box	ST, SC, LC	36
IFWMPB48	Indoor/Outdoor Wall Mount Patch Box	ST, SC, LC	48
IFWMSPB12	Wall Mount Stainless Steel Terminal Box	12 Adapters/ 6 Adapters and 12 Pigtails / 24 Pigtails	12
IFWMPB12	Wall Mount Stainless Steel Terminal Box	12 Adapters/ 6 Adapters and 12 Pigtails / 24 Pigtails	12

Vertical
Splice Closure

Infinique supplies a wide range of horizontal and vertical fiber optic splice closures for both round and ribbon cables. The fiber splice closures are made of high-strength engineering plastic which effectively prevents it from aging caused by heat, cold, oxygen and UV radiation. The strong housing and main components provide fire resistant, waterproof, and quakeproof while protecting splices from pull, torsion and impact. They can be used repeatedly in both aerial and direct buried applications. It ensures long-term reliability and usage under ambient temperature from -40℃to +65 ℃.
Infinique's splice closures are available in different models and support from 12 to 576 cores.

IFVSCA24 - Vertical Splice Closure, 6~48 Cores

IFVSCB96 - Vertical Splice Closure, 12~288 Cores

IFVSCC84 - Vertical Splice Closure, 60~576 Cores

IFHVSCA48 - Heat Shrinkable Vertical Splice Closure, 6~48 Cores

IFHVSCB84 - Heat Shrinkable Vertical Splice Closure, 12~288 Cores

IFHVSCC88 - Heat Shrinkable Vertical Splice Closure, 60~576 Cores

Horizontal Splice Enclosure

IFHSCA12 - Compact Horizontal Splice Closure, 12~96 Cores

IFHSCB96 - Horizontal Splice Closure, 12~96 Cores

IFHSCC96 - Horizontal Splice Closure, 72~288 Cores

IFHSCD96 - Horizontal Splice Closure, 60~576 Cores

ORDERING INFORMATION
Rack Mountable Fiber Enclosure

Part No	Description	Cores	Core Tray	Sleeves/Slot	Fiber Type
IFVSCAXX/IFHVSCAXX	Vertical Splice Closure/Heat Shrinkable	6,12,18,24	6	1	Round
IFVSCAXX/IFHVSCAXX	Vertical Splice Closure/Heat Shrinkable	48	6	2	Round
IFVSCBXX/IFHVSCBXX	Vertical Splice Closure/Heat Shrinkable	12,24,36,48	12	1	Round
IFVSCBXX/IFHVSCBXX	Vertical Splice Closure/Heat Shrinkable	96	12	2	Round
IFVSCBXX/IFHVSCBXX	Vertical Splice Closure/Heat Shrinkable	72,144,216,288	72		12 Cores Ribbon
IFVSCCXX/IFHVSCCXX	Vertical Splice Closure/Heat Shrinkable	60,72, 84, 96	12	1	Round
IFVSCCXX/IFHVSCCXX	Vertical Splice Closure/Heat Shrinkable	192	12	2	Round
IFVSCCXX/IFHVSCCXX	Vertical Splice Closure/Heat Shrinkable	360,432,504,576	72		12 Cores Ribbon
IFHSCAXX	Compact Horizontal Splice Closure	12,24,36,48	12	1	Round
IFHSCAXX	Compact Horizontal Splice Closure	96	12	2	Round
IFHSCBXX	Horizontal Splice Closure	12,24,36,48	12	1	Round
IFHSCBXX	Horizontal Splice Closure	96	12	2	Round
IFHSCCXX	Horizontal Splice Closure	72,144,216,288	72		12 Cores Ribbon
IFHSCDXX	Horizontal Splice Closure	60,72,84,96	12	1	Round
IFHSCDXX	Horizontal Splice Closure	192	12	2	Round
IFHSCDXX	Horizontal Splice Closure	360,432,504,576	72		12 Cores Ribbon

Splice Trays

These aluminum trays come with a clear, snap-on polycarbonate cover and can be stacked for high-density applications. The standard tray holds up to 24 splices.

IFST24 - Splice Tray

Standard Fusion Splice Protection Sleeve

Standard fusion splice protection sleeve represents the industry's most popular sleeve due to its robust design and user friendly size. These sleeves come in lengths of 40 and 60mm with an after shrink diameter of 2.9mm and will accommodate fiber diameters up to 1.4mm. This product is constructed with an inner EVA meltable adhesive tube, stainless steel strength member and a polyolefin heat shrink outer tube. The tubes are clear to allow viewing the color of the fiber after splicing. The entire assembly is heat bonded to ensure that all members maintain perfect alignment during shipping, handling and

IFSPS40 - Standard Splice Protection Sleeve 40mm
FSPS60 - Standard Splice Protection Sleeve 60mm

Ribbon Fusion Splice Protection Sleeve

Ribbon fusion splice protection sleeve is designed to accommodate 2 – 12 ribbon fiber. These sleeves come in lengths of 30 and 40mm and have an after shrink diameter of after shrink diameter of 4.9 X 4.4mm. This product is constructed with an inner EVA meltable adhesive tube, a polyolefin heat shrink outer tube and either single or dual strength members. The tubes are clear to allow viewing the color of the fiber after splicing. The entire assembly is heat bonded to ensure that all members maintain perfect alignment during shipping, handling and shrinking.

IFRPS30 - Ribbon Fusion Splice Protection Sleeve 30mm
FRPS40 - Ribbon Fusion Splice Protection Sleeve 40mm

Termination Consumables Kit

Fiber Terminations Consumables Kit features a premium abrasive film to polish ceramic ferrules and glass at the same level, at a consistent rate. The films have been qualified to assure exceptional insertion and return loss results when used in accordance with our instructions.

Consumables kit for use with fiber termination kit, Includes enough consumables to perform a minimum of 200

multimode or singlemode terminations. Individual components may be ordered separately as replacements.

Part Number	Description
IFTCKIT	Termination Consumables Kit
IFTCKPRBOT	Primer Bottle (3.5mL)
IFTCKADH	Adhesive Syringe (5cc)
IFTCKALPAD	Alcohol Pads
IFTCKWIPES	Dry lint-free Wipes
IFTCKSYRMTIP	Syringe tip needles w/covers
IFTCKPF12	12µm air polish film, gray
IFTCKPF3	3µm polish film, pink
IFTCKPF1	1µm polish film, purple
IFTCKFF	Finishing film, white
IFTCKPF6	6µm recovery film, bronze

IFTCKIT - Fiber Termination Consumables Kit

Fiber Termination Kit

Infinique's Fiber Termination Kit contains all the tools required for termination of multimode or singlemode ST or SC connectors. Packaged in a rugged canvas carrying case.

Infinique offers a full line of replacement tools in the event that a tool is lost or has used up its life expectancy. The tools available are the exact tools provided in our fiber termination kits.

Part Number	Description
IFTTKIT	Fiber Termination Tool Kit
IFMS400	400X power microscope
IFSCRIBE	Double bladed fiber cleaver
IFSCISSORS	Electrician scissors
IFCRIMP	Crimp tool w/3-position die for ST/SC/LC
IFPAD	152.4mm x 152.4mm polishing pad
IFPUCK	SC/ST compatible polishing puck
IFTMPL	Template for SC/ST and LC connectors
IFJSTRP	Jacket stripper
IFBSTRP	Buffer stripper
IFLCPUCK	Duplex LC Polishing Puck
IFMSLC2HEAD	Duplex LC Scope Adapter

IFTTKIT - Fiber Termination Tool Kit

Premium Category 6A and Category 6

Infinique Category 6A solution provides outstanding margin on all TIA and ISO performance requirements for category 6A/class EA, including critical alien crosstalk parameters.

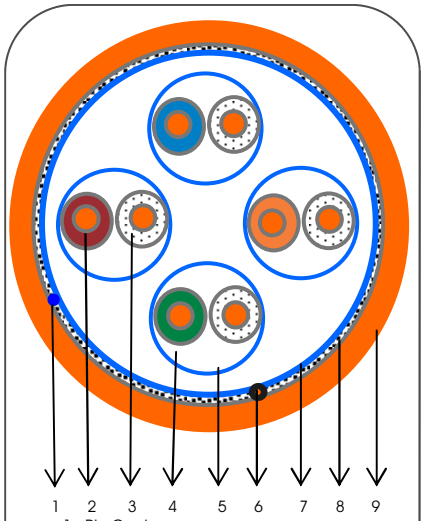
Infinique's Category 6A solution offers:
Highest performance margins across all critical transmission parameters
Fastest, easiest and most reliable termination process
Superior transmission consistency
The best customer focused usability, efficiency and ergonomic features

Infinique provides a warranted, end-to-end Category 6 UTP cabling solution, which exhibits margin on all parameters. From the telecommunications room to the work area, the Category 6 UTP system exceeds connecting hardware and channel performance specifications set forth for category 6/class E by the TIA and ISO/IEC.

Section Contents

Premium Category 6A S/FTP Cable

Infinique's 10G+, 6A S/FTP cable channel performance exceeds TIA-568-B.2-10 category 6A requirements, resulting in a channel capable of supporting 10GBASE-T operation over 100-meter, 4-connector topologies. Additionally the screened constructions of the cable ensures virtually zero alien crosstalk. Designed to support the highest speeds in networking today, full duplex, protocols delivering up to 10Gbps performance at frequency levels up to 550 Mhz. Support Power of Ethernet standard (POE 802.3af) allowing data and power connection for POE equipments.



1. Rip Cord
2. Conductor: 23 AWG solid copper conductor class 1
3. Core Insulation: Data Grade PE
4. Construction: Twisted Pairs Insulated Cores
5. Individual screen around each pair: Aluminum Foil Screen
6. Drain Wire
7. Aluminum Foil Screen
8. Shield: TC Braid Screen
9. Final Sheath: LSOH Sheath

ELECTRICAL SPECIFICATIONS

DC Resistance	<17.0 /100m
DC Resistance Unbalance	5%
Mutual Capacitance	5.6 nF/100m
Capacitance Unbalance	<330 pF/100m
Characteristic Impendence	1 – 100MHz: 100 Ω ± 15% 1 – 350MHz: 100 Ω ± 18% 1 – 500MHz: 100 Ω ± 25%
Insulation Resistance	> 5000 MW x km
Propagation Speed	10MHz (NVP*c): 0,79c
Signal propagation Delay	>10MHz: 4,2ns/m
Delay Skew	<25ns/100m

PHYSICAL PROPERTIES

Conductor	Solid Bare Copper 23 AWG | Ø (mm): 0.575±0.003mm
Insulation	Material: Halogen Free Foam/Skin F-PE | Ø (mm): 1.35±0.005mm Average Thickness: 0.3875mm | Minimum Point Thickness: 0.385mm
Screens	Twisted Pairs: Aluminum Foil First Overall Screen: Aluminum Foil Overall Screen: 96/0.10mm TC Wire Braiding | Coverage Rate: ≥40%
Drain Wire	Ø 0.50mm TC
Jacket	Rip Cord: Nylon Thread Sheath Material: LSOH Halogen Free Flame Retardant Nominal Diameter: 8.5 ± 0.2mm | Average Thickness: 0.65mm Minimum Point Thickness: 0.55mm O.D. 8.0 mm
Pulling Tension Max	110N (25lbf)
Bend Radius	One Time: 4 x O.D. Installation: 8 x O.D.
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 75°C
Installation Temperature	0°C ~ 60°C

TRANSMISSION PERFORMANCE

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PS NEXT (dB)	ELFEXT (dB/100m)	PS ELFEXT (dB/100m)	Return Loss (dB)	ACR (dB)
1.0	1.8	>100	98	93	91.0	26.2	98.2
10.0	5.2	>100	98	93	91.0	34.7	94.8
16.0	6.8	>100	98	93	91.0	36.3	93.2
20.0	7.7	>100	98	93	91.0	35.7	92.3
31.25	9.6	>100	98	90	88.0	36.3	90.4
62.50	13.8	>100	98	86	84.0	36.1	86.2
100.0	17.5	98	96	84	82.0	36.1	80.5
300.0	31.5	93	91	65	63.0	31.7	61.5
500.0	40.0	80	80	60	50.3	27.5	51.3

STANDARDS / COMPLIANCE

Meets or Exceeds EN 50288-4-1 up to 500MHz and IEC 61156-5 up to 500MHz
Flame Retardant as per IEC 60332-1 and EN 50266-2-1
Non Corrosive as per IEC 60754-2 and EN 50267
Low Smoke Emission as per IEC 61034 and EN 50268

ETHERNET APPLICATIONS SUPPORTED

10GBASE-T
1000BASE-T
100BASE-T
10BASE-T
Supports 10GBASE-T and all application designed for augmented Category 6 or lower cabling

ORDERING INFORMATION

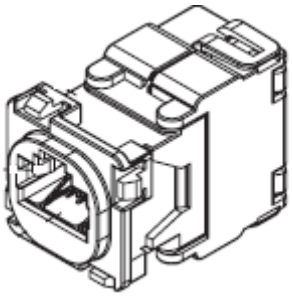
Premium Category 6A S/FTP Cable

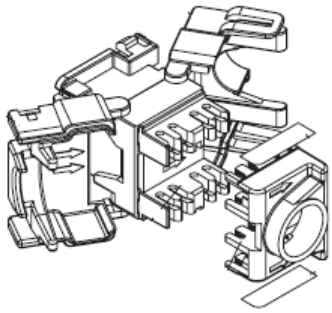
Part Number: INC6AS4CCL
Colors Available (CC): Replace CC in Part Number: OR=Orange | IB= Ice Blue
Packaging: 500m Drum, Net Weight: 32kg, Gross Weight:37kg

Premium Category 6A
Shielded Modular Jacks

The Infinique 10G+ Cat. 6A Shielded Modular Jack is an important component of the Infinique 10G+ Cabling Solution. Fully shielded design of the modular jack optimizes shield effectiveness protection from EMI and alien crosstalk. Its rear shield protects IDC terminations and maintains shield effectiveness.

Infinique's 10G+ Cat.6A Shielded Modular jacks meets TIA-568-B.2-10 and IEC 60603-7-5 performance requirements, and also exceeds ISO/IE 11801 2nd Edition and EN50173 2nd Edition requirements for transfer impedance and shield effec tive ness. They are backwards compatible with Cat5e & Cat6 components.





ELECTRICAL SPECIFICATIONS

Dielectric Strength	1,000V RMS at 60Hz/minute
Current Rating	1.5 Amps
Insulation Resistance	500MΩ minimum
Contact Resistance	20MΩ per contact
Maximum DC Resistance	0.1Ω
Operating Temperature	-10˚C to +60˚C
Storage Temperature	-40˚C to +70˚C
Transmission Performance	TIA/EIA-568-C 10 channel and link performance

PHYSICAL PROPERTIES

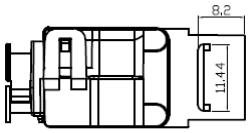
Jack Material	Zinc Alloy, High impact flame resistance PC
RJ45 8-Pin Connector	FCC part 68, Subpart F and IEC-60603-7 compliant
IDC Durability	>1500 mating cycles
IDC Material	Phosphor Bronze with 50 micro-inches of gold over 70-100 micro-inches of nickel plating
IDC Connector	Suitable insulation of 22 to 26 AWG
Connector Material	Phosphor Bronze alloy with 100 micro-inch 100% Sn alloy
Contact Strength	100G

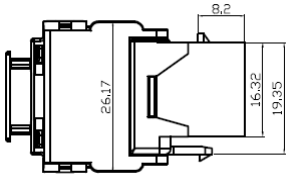
STANDARDS / COMPLIANCE

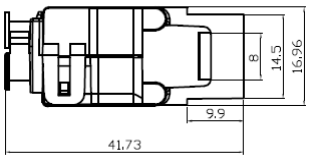
Meets or Exceeds EN 50288-4-1 up to 500MHz and IEC 61156-5 up to 500MHz
Flame Retardant as per IEC 60332-1 and EN 50266-2-1
Non Corrosive as per IEC 60754-2 and EN 50267
Low Smoke Emission as per IEC 61034 and EN 50268

ETHERNET APPLICATIONS SUPPORTED

10GBASE-T
1000BASE-T
100BASE-T
10BASE-T
Supports 10GBASE-T and all application designed for augmented Category 6 or lower cabling







ORDERING INFORMATION
Premium Category 6A Shielded Modular Jacks

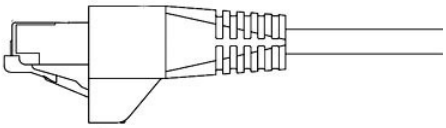
Part Number:INEJ6A180S
Color: Metallic Grey

Delivery: One Modular Jack per bag. Packaging: 1 per bag or 50 Jacks per carton.

Premium Category 6A Shielded Patch Cord

The Infinique 10G+ Cat. 6A Shielded Patch Cord delivers the best network performance when used in conjunction with other Infinique's 10G+ products. Its cable construction and shielding suppresses alien crosstalk and provides EMI/RFI protection. The slimline plug with 360 degree crimp provides narrow profile for less congestion in higher density applications and excellent plug-to-cable strain relief.

The patch cord is constructed of superior quality cable and RJ45 plugs designed to operate up to 500MHz. These cords meets or exceed all TIA-568-B.2-10 Category 6A performance requirements. Infinique's 10G+ Cat. 6A Shielded Patch Cord are backwards compatible with Cat5e & Cat6 components.



ELECTRICAL SPECIFICATIONS

Contact Resistance	10 mΩ
Input to Output Resistance	200 mΩ
Min. Dielectric Withstand Voltage	1000 V DC or AC peak
Insulation Resistance	500 mΩ
Compatibility	Cat 5e and Cat 6 Backward Compatible
Current Rating	1.5 A
PoE	PoE and PoE+
Surface Transfer Impedance	<10 mΩ/m @ 10 MHz

PHYSICAL PROPERTIES

Conductor	Stranded Copper 26 AWG 7x32
Cable Construction	S/FTP
Nominal Diameter	6.35mm
Wiring	T568A/B
Jacket Sheath	LSOH Flame Retardant
Flammability Rating	UL 94 V-0
Plug Housing Material	Polycarbonate
Contact Materials	50 micro inches gold plating or equivalent
Plastic Materials	Flame Retardant Thermoplastic
Plug Shield	360 degree enclosure
Operating Temperature	-10°C ~ 60°C
Number of Plug Insertion Cycles	750
Minimum Plug Retention Force	50N
Plug Compatibility	Compatible with RJ45 outlets
Cable to Plug Tensile Strength	20 lbs

STANDARDS / COMPLIANCE

Meets or Exceeds EN 50288-4-1 up to 500MHz and IEC 61156-5 up to 500MHz
Flame Retardant as per IEC 60332-1 and EN 50266-2-1
Non Corrosive as per IEC 60754-2 and EN 50267
Low Smoke Emission as per IEC 61034 and EN 50268

ETHERNET APPLICATIONS SUPPORTED

10GBASE-T
1000BASE-T
100BASE-T
10BASE-T
Supports 10GBASE-T and all application designed for augmented Category 6 or lower cabling

ORDERING INFORMATION

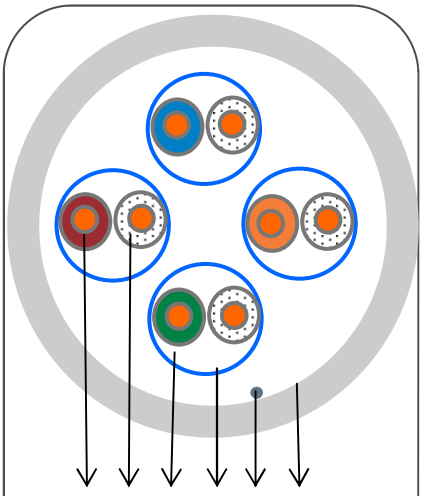
Premium Category 6A Shielded Patch Cords

Delivery: One Patch Cord per bag
Part Number: INPC6ASLCC

Cable Length: Replace L in Part Number for Cable Length: 05=0.5M, 1=1M, 3=3M, 5=5M, 7=7M, 10=10M
Colors available (CC): Replace CC in Part Number: GY=Grey, WH=White, IB=Ice Blue, OR=Orange

Premium Category 6A UTP Cable

Infinique's 10G+ Cat. 6A LSOH cable exceeds TIA-568-B-2-10 category 6A transmission performance requirements. When combined with Infinique's 10G+ 6A UTP connectivity products results in a channel capable of supporting 10GBASE-T operation over 100-meter, 4-connector topologies. Infinique's 10G+ 6A UTP cabling solution supports full duplex protocols delivering up to 10Gbps performance at frequency levels up to 550 Mhz, and also supports PoE Power of Ethernet standard (POE 802.3af) allowing data and power connection for POE equipments.



1. Conductor: 23 AWG solid copper conductor class 1
2. Core Insulation: Data Grade F-PE
3. Construction: Twisted Pairs Insulated Cores
4. Individual screen around each pair: Aluminum Foil Screen
5. Drain Wire
6. Final Sheath: LSOH Sheath

ELECTRICAL SPECIFICATIONS

DC Resistance	<9.38Ω /100m
DC Resistance Unbalance	3%
Mutual Capacitance	5.6 nF/100m
Capacitance Unbalance	<330 pF/100m
Characteristic Impendence	1 – 100MHz: 100 Ω ± 15% 1 – 350MHz: 100 Ω ± 18% 1 – 500MHz: 100 Ω ± 25%
Insulation Resistance	> 5000 MΩ x km
Propagation Speed	10MHz (NVP*c): 0,79c
Signal propagation Delay	>10MHz: 4,2ns/m
Delay Skew	<25ns/100m

PHYSICAL PROPERTIES

Conductor	Solid Bare Copper 23 AWG | Ø (mm): 0.575±0.003mm
Insulation	Material: Halogen Free Foam/Skin F-PE | Ø (mm): 1.35±0.005mm Average Thickness: 0.3875mm | Minimum Point Thickness: 0.385mm
Screens	Twisted Pairs: Aluminum Foil First Overall Screen: Aluminum Foil Overall Screen: 96/0.10mm TC Wire Braiding | Coverage Rate: ≥40%
Drain Wire	Ø 0.50mm TC
Jacket	Rip Cord: Nylon Thread Sheath Material: LSOH Halogen Free Flame Retardant Nominal Diameter: 7.1 ± 0.2mm | Average Thickness: 0.65mm Minimum Point Thickness: 0.55mm
Pulling Tension Max	110N (25lbf)
Bend Radius	One Time: 4 x O.D. Installation: 8 x O.D.
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 75°C
Installation Temperature	0°C ~ 60°C

TRANSMISSION PERFORMANCE

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PS NEXT (dB)	ELFEXT (dB/100m)	PS ELFEXT (dB/100m)	Return Loss (dB)	ACR (dB)
1.0	1.8	>100	98	93	91.0	26.2	98.2
10.0	5.2	>100	98	93	91.0	34.7	94.8
16.0	6.8	>100	98	93	91.0	36.3	93.2
20.0	7.7	>100	98	93	91.0	35.7	92.3
31.25	9.6	>100	98	90	88.0	36.3	90.4
62.50	13.8	>100	98	86	84.0	36.1	86.2
100.0	17.5	98	96	84	82.0	36.1	80.5
300.0	31.5	93	91	65	63.0	31.7	61.5
500.0	40.0	80	80	60	50.3	27.5	51.3

STANDARDS / COMPLIANCE

Meets or Exceeds EN 50288-4-1 up to 500MHz and IEC 61156-5 up to 500MHz
Flame Retardant as per IEC 60332-1 and EN 50266-2-1
Non Corrosive as per IEC 60754-2 and EN 50267
Low Smoke Emission as per IEC 61034 and EN 50268

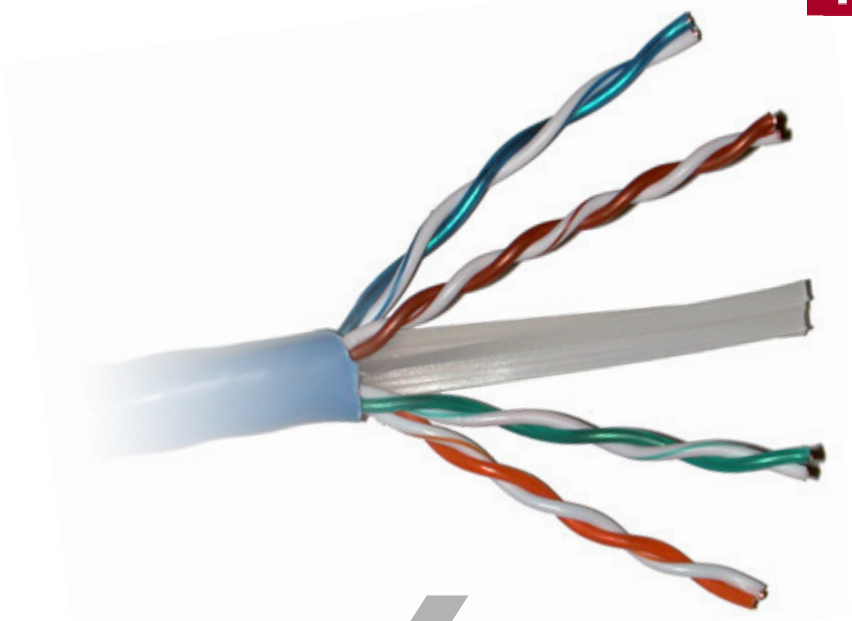
ETHERNET APPLICATIONS SUPPORTED

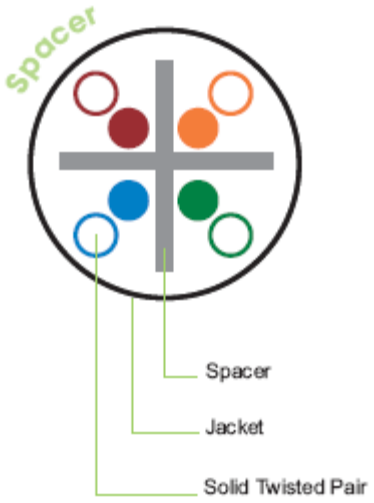
10GBASE-T
1000BASE-T
100BASE-T
10BASE-T
Supports 10GBASE-T and all application designed for augmented Category 6 or lower cabling

ORDERING INFORMATION

Premium Category 6A UTP Cable

Part Number:INC6AU4CCL
Colors Available (CC): Replace CC in Part Number: OR=Orange | IB= Ice Blue
Packaging: 500m Drum, Net Weight: 32kg, Gross Weight:37kg





Cat. 6 UTP Cable

- Guaranteed Headroom over TIA & ISO Cat.6 Requirements
- Reverse Sequential Footage Marking
- No-snag cable dereeler
- Installation friendly boxes with reinforced handle grips

> Infinique's Professional Series Category 6 UTP Cable provides considerable margin above all electrical transmission performance requirements specified in TIA/EIA-568-B.2-1 and ISO/IEC 11801 (2nd edition) standards. Category 6 cable provides optimum electrical performance capable of handling critical, high-bandwidth applications. Collectively with other Infinique's Structured Cabling Products, they are the right solution to your voice and data communication needs.

MATERIAL SPECIFICATIONS

Conductor: Solid Bare Copper 23 AWG (0.57mm)
Insulation: HDPE
Cabling: Four Unshielded Twisted Pairs
Pairing: 1 – Blue/White-Blue; 2 – Orange/White-Orange; 3 – Green/White-Green; 4 – Brown/White-Brown
Spacer: PE (Polyethylene)
Fire Protection: CM
Fire Safety Standard: UL 1581 VW-1
Outer Jacket: Flame retardant PVC Cable Jacket

ELECTRICAL SPECIFICATIONS

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PS NEXT (dB)	ELFEXT (dB/100m)	PS ELFEXT (dB/100m)	RL (dB)
1	1.9	74.3	72.3	67.8	64.8	20.0
4	3.7	65.3	63.3	55.8	57.7	23.0
10	5.9	59.3	57.3	47.8	44.8	25.0
16	7.5	56.3	54.3	43.7	40.7	25.0
20	8.4	54.8	52.8	41.8	38.7	25.0
31.25	10.6	51.9	49.9	37.9	34.9	23.6
62.5	15.4	47.4	45.4	31.9	28.8	21.5
100	19.8	44.3	42.3	27.8	24.8	20.1
150	25.1	41.4	39.4	23.9	20.9	18.8
200	29.0	39.8	37.8	21.8	18.7	18.0
250	32.8	38.3	36.3	19.8	16.8	17.3
350*	39.8	36.1	34.1	16.9	13.9	16.3
400*	43.0	35.3	33.7	15.7	12.7	15.9
450*	46.3	34.5	32.6	14.7	11.7	15.5
500*	48.9	33.8	31.8	13.8	10.8	15.2
550*	51.8	33.2	31.2	12.9	9.9	14.9

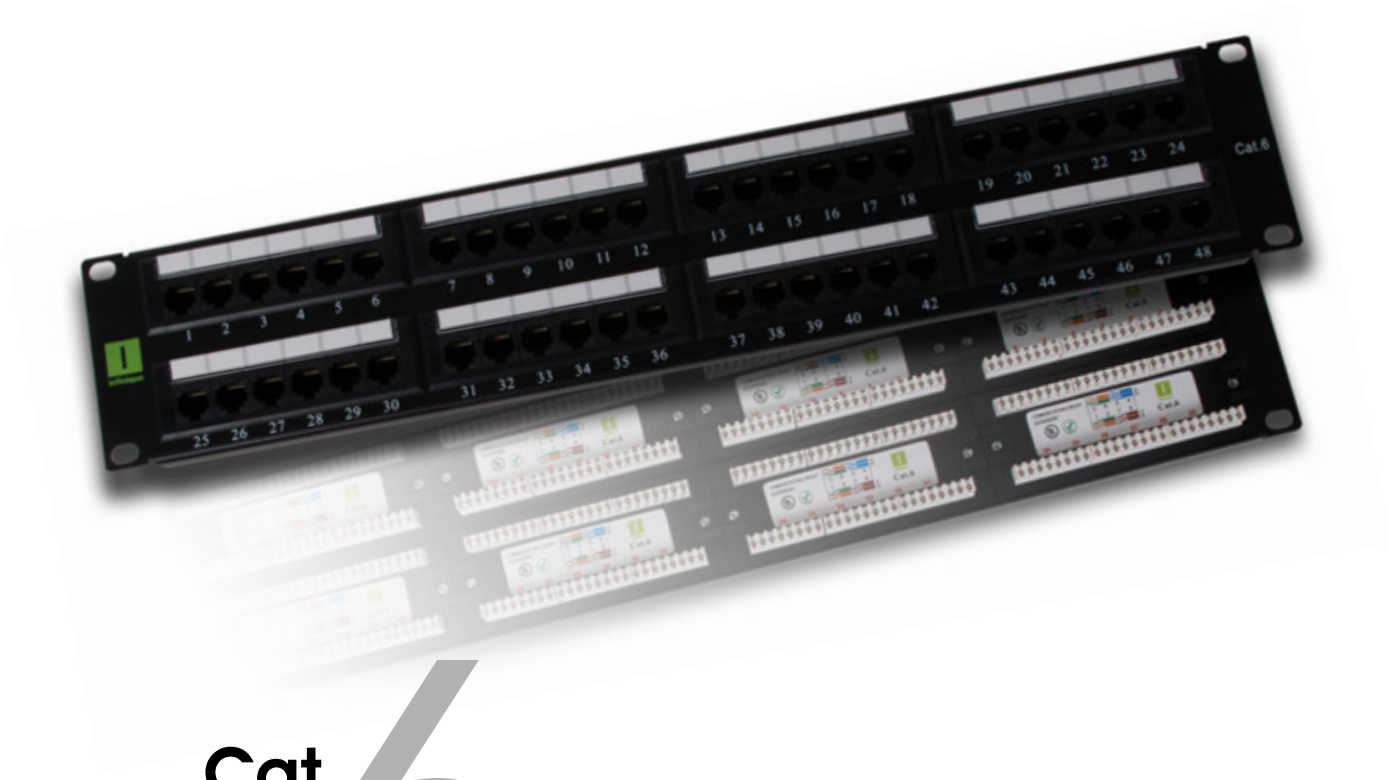
*Frequency values above industry standards are for information only.

STANDARDS/COMPLIANCE

Meets ANSI/TIA/EIA-568-B.2-1 Category 6 requirements
Meets TIA/EIA TSB-40 requirements
Meets ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
Meets CENELEC Generic Cabling Standard EN50173 – 1:2002
IEEE 802.3af (PoE) Compliant
RoHS Compliant

Ordering Information
Delivery: 305m (1000ft) packed in No-Snag Cable De-reeler Box with Plastic Reinforced Handle Grips

Part Number: INC6UCCX
Colors available (CC): Replace CC in Part Number:
GY=Grey, BL=Blue,
Variations (X): Replace X in Part Number:
R=PVC, L=LSOH, P=Plenum, O=Outdoor,
M=Outdoor with Messenger



Cat. 6 Universal Patch Panels

- Fully Enclosed and Protected PCB
- Easy Clip-on Rear Cable Management Bar for strain relief
- Clear Plastic Label Holders for efficient circuit identification
- Color coding for T568A and T568B standards
- Accepts 22-26 AWG solid wire

> Categories 6 Patch Panels from Infinique provides higher bandwidth to transmit data in excess of 250MHz, and are well suited for demanding applications. These panels utilize a rugged construction to provide superior quality and a back cover to protect PCB from contaminants and errant terminations. They are color coded to support T568A and T568B Universal Wiring Schemes. Collectively with other Infinique's Structured Cabling Products, they are the right solution for your voice and data communication needs.

MATERIAL SPECIFICATIONS

Modular Connector
Durability: 750 Mating Cycles
RJ45 8-Pin Connector: FCC part 68, subpart F anD IEC-60603-7 Compliant
Spring Wire: Phosphor Bronze with 50µ" Gold over 100µ" Nickel Undercoat
Housing: Standard Material Glass Filled Polyester UL94V.O
IDC Connector
IDC Connector: Terminates 22~26 AWG (0.64~0.41 mm)
Insulation Diameter: 0.70~1.40 mm
IDC Block: 200 Termination Cycles
IDC Contact: Phosphor Bronze with 200µ" Silver over 100µ" Nickel undercoat
IDC Body: UL 94V.O Fire-Retardant Plastic
Metal Frame: SPCC Powder Coated Steel

ELECTRICAL SPECIFICATIONS

Compliant with UL 1863
Current Rating: 1.5Amp max
Voltage Rating: 150V
Contact Resistance: 20 mOhm
Insulation Resistance: 500 MOhm
Dielectric Strength: 1000 V, AC RMS, 60 Hz/1min

STANDARDS/COMPLIANCE

ANSI/TIA/EIA-568-B.2-1 Category 6 requirements
TIA/EIA TSB-40 requirements
ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
CENELEC Generic Cabling Standard EN50173 – 1:2002
RoHS compliant

Ordering Information

Delivery: 1 Category 6 Patch Panel, Easy Clip-on Rear Cable Management Bar, Universal Wiring Insert, Clear Plastic Label Holders, Label Kit, Cable Ties, Cage Nut and Screws.

Ports	Height	Rack Units	Part No.
16	1.75" (45)	1	INPP616
24	1.75" (45)	1	INPP624
48	3.50" (89)	2	INPP648
96	7.00" (178)	4	INPP696

Cat.6

Dual IDC Keystone Jacks

- Aesthetic and Slim Profile with Dust Covers
- Bend Limiting Strain Relief
- Color coding for T568A and T568B Wiring Schemes
- 180 Degree Dual IDC Color Coded Terminations
- Accepts 22-26 AWG conductors
- High Impact Flame Retardant Plastic Compound

> Infinique's Category 6, Dual IDC Type Keystone Jacks have a slim profile to ensure a clean professional installation and are designed for use with wall plates and surface boxes. These Jacks are coded for T568A and T568B wiring schemes and complies with performance requirements of current and proposed applications. They come with Dust Covers and Bend Limiting Strain Relief which provides cylindrical support to limit the bend radius at the point of termination.

MATERIAL SPECIFICATIONS

RJ45 8-Pin Connector: FCC part 68, subpart F and IEC-60603-7 Compliant
Spring Wire: Phosphor Bronze with 50µ" Gold over 100µ" Nickel Undercoat
Durability: 750 mating cycles
IDC Connector
IDC Connector: Terminates 22~26 AWG (0.64~0.41 mm)
Insulation Diameter: 0.70~1.40 mm
110 Contacts: 200 terminations
Connector: Phosphorous Bronze with 150µ" Tin-Lead over 50µ" Nickel undercoat
Jack Housing: Polyphenylene Oxide, UL94V.0
Dust Cover and Strain Relief: Polycarbonate, UL94V.0

ELECTRICAL SPECIFICATIONS

Current Rating: 1.5Amp max
Dielectric Strength: 1000 V, AC RMS, 60 Hz/1min
Contact Resistance: 20 mohm
Insulation Resistance: 500 Mohm
Voltage Rating: 150 VAV max
Temperature: -40°C ~ 70°C

STANDARDS/COMPLIANCE

Meets ANSI/TIA/EIA-568-B.2-1 Category 6 requirements
Meets TIA/EIA TSB-40 requirements
Meets ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
Meets CENELEC Generic Cabling Standard EN50173 – 1:2002
RoHS Compliant

Ordering Information
Delivery: One Modular Jack and One Strain Relief per bag.

Part Number: INEJ6D180CC
Packaging: 1) Bag - 1 Jack; 2) Carton - 25 Jacks
Colors available (CC): Replace CC in Part Number:
GY=Grey, WH=White, BK=Black, BL=Blue

Cat.6 UTP Patch Cords

- Molded Slim-Line Snag-Less Integrated Boot
- Modular plug contacts 50µ" Gold Plated
- Category 6 UTP 4-pair Stranded 24AWG Cable
- Flame retardant PVC Cable Jacket

> Infinique's Category 6 UTP Patch Cords are designed to guarantee application assurance, provide optimum channel performance and support for emerging high bandwidth applications such as Gigabit Ethernet. Molded Slim-Line Snag-Proof Boot prevents cable pair disturbance that can degrade performance. Slim-Line Boots enable the patch cords to be installed in high density equipment, and prevents snags when pulling cable. Collectively with other Infinique's Structured Cabling Products, they are the right solution to your voice and data communication needs.

MATERIAL SPECIFICATIONS

Plugs: 2 pieces RJ-45 8P8C, Category 5e
Contacts: 50µ" Gold Plated Copper Alloy
Molded Boot: PVC
Conductor: Stranded Copper 24 AWG (0.51mm)
Insulation: HDPE
Cabling: Four Unshielded Twisted Pairs
Pairing: 1 – Blue/White-Blue; 2 – Orange/White-Orange; 3 – Green/White-Green; 4 – Brown/White-Brown
Fire Protection: CM
Fire Safety Standard: UL 1581 VW-1
Outer Jacket: Flame retardant PVC Cable Jacket

STANDARDS/COMPLIANCE

Meets ANSI/TIA/EIA-568-B.2-1 Category 6 requirements
Meets TIA/EIA TSB-40 requirements
Meets ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
Meets CENELEC Generic Cabling Standard EN50173 – 1:2002
Modular Plugs conform to FCC 47 Part 68.5.
RoHS Compliant

Ordering Information
Delivery: 1 Patch Cord
Part Number: INPC6LCC
Cable Length: Replace L in Part Number for Cable Length:
05=0.5M, 1=1M, 3=3M, 5=5M, 7=7M, 10=10M
Colors available (CC): Replace CC in Part Number:
GY=Grey, WH=White, BK=Black, BL=Blue,
RD=Red, YL=Yellow, GR=Green, OR=Orange

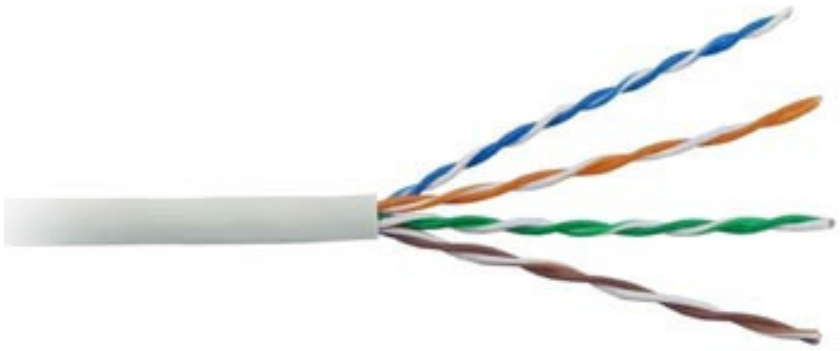
For custom length to suit your specification please call us for lead times.

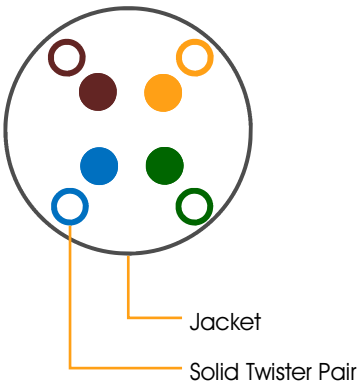
Category 5e

Infinique's Professional Series Category 5e UTP end-to-end cabling system is guaranteed to provide transmission performance margins in excess of industry standards for category 5e parameters, while featuring excellent EMI resistance.

Infinique's Professional Series Category 5e UTP Cable consists of 24 AWG solid copper conductors and insulated with Polyethylene. It provides considerable margin above all electrical transmission performance requirements specified in TIA/EIA-568-B.2 and ISO/IEC 11801 standards. Category 5e Cable provides optimum electrical performance capable of handling high-bandwidth applications and certified up to 100 Mhz. Collectively with other Infinique's Structured Cabling Products, they are the right solution to your voice and data communication needs.

Section Contents





Cat.5e UTP Cable

- Guaranteed Headroom over TIA & ISO Cat.5e Requirements
- Reverse Sequential Footage Marking
- No-snag cable de-reeler
- Easily stackable boxes with Plastic reinforced handle grips

> Infinique's Professional Series Category 5e UTP Cable consists of 24 AWG solid copper conductors and insulated with Polyethylene. It provides considerable margin above all electrical transmission performance requirements specified in TIA/EIA-568-B.2 and ISO/IEC 11801 standards. Category 5e Cable provides optimum electrical performance capable of handling high-bandwidth applications and certified up to 100 Mhz. Collectively with other Infinique's Structured Cabling Products, they are the right solution to your voice and data communication needs.

MATERIAL SPECIFICATIONS

Conductor: Solid Bare Copper 24 AWG (0.50mm)
Insulation: HDPE
Cabling: Four Unshielded Twisted Pairs
Pairing: 1 – Blue/White-Blue; 2 – Orange/White-Orange; 3 – Green/White-Green; 4 – Brown/White-Brown
Spacer: PE (Polyethylene)
Fire Protection: CM
Fire Safety Standard: UL 1581 VW-1
Outer Jacket: Flame retardant PVC Cable Jacket

ELECTRICAL SPECIFICATIONS

Frequency	Attenuation(-dB)	NEXT(-dB)	PSNEXT(-dB)	ELFEXT(-dB)	RL(-dB)
1.0 MHz	2.0	65.3	62.3	63.8	20.0
4.0 MHz	4.0	56.3	53.3	51.7	23.0
8.0 MHz	5.8	51.8	48.8	45.7	24.5
10.0 MHz	6.5	50.3	47.3	43.8	25.0
16.0 MHz	8.2	57.3	44.3	39.7	25.0
20.0 MHz	9.3	45.8	42.8	37.7	25.0
25.0 MHz	10.4	44.3	41.3	35.8	24.3
31.25 MHz	11.7	42.9	39.9	33.9	23.6
62.5 MHz	17.0	38.4	35.4	27.8	21.5
100.0 MHz	22.0	35.3	32.3	23.8	20.1

STANDARDS/COMPLIANCE

Meets ANSI/TIA/EIA-568-B.2 Category 5e requirements
Meets TIA/EIA TSB-40 requirements
Meets ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
Meets CENELEC Generic Cabling Standard EN50173 – 1:2002
IEEE 802.3af (PoE) Compliant
RoHS Compliant

Ordering Information
Delivery: 305m (1000ft) packed in No-Snag Cable De-reeler Box with Plastic Reinforced Handle Grips.

Part Number: INC5EUCCX
Colors available (CC): Replace CC in Part Number: GY=Grey, BL=Blue,
Variations (X): Replace X in Part Number: R=PVC, L=LSOH, P=Plenum, O=Outdoor, M=Outdoor with Messenger

Cat.5e Universal Patch Panels

- Fully Enclosed and Protected PCB
- Easy Clip-on Rear Cable Management Bar for strain relief
- Clear Plastic Label Holders for efficient circuit identification
- Color coding for T568A and T568B standards
- Accepts 22-26 AWG solid wire

> Infinique's Category 5e Patch Panels significantly exceed ANSI/TIA/EIA-568-B.2 Category 5e standards. They support Universal Wiring Schemes and have Category 5e modular jacks which are color coded to support both 568A and 568B standards. They utilize a rugged construction to provide superior panel quality and a back cover to protect PCB from contaminants and errant terminations. Easy Clip-on Rear Cable Management Bar, which comes standard with our patch Panels, provides excellent cable strain relief. Collectively with other Infinique's Structured Cabling Products, they are the right solution to your voice and data communi - ca tion needs.

MATERIAL SPECIFICATIONS

Modular Connector
Durability: 750 Mating Cycles
RJ45 8-Pin Connector: FCC part 68, subpart F anD IEC-60603-7 Compliant
Spring Wire: Phosphor Bronze with 50µ" Gold over 100µ" Nickel Undercoat
Housing: Standard Material Glass Filled Polyester UL94V.O
IDC Connector
IDC Connector: Terminates 22~26 AWG (0.64~0.41 mm)
Insulation Diameter: 0.70~1.40 mm
IDC Block: 200 Termination Cycles
IDC Contact: Phosphor Bronze with 200µ" Silver over 100µ" Nickel undercoat
IDC Body: UL 94V.O Fire-Retardant Plastic
Metal Frame: SPCC Powder Coated Steel

ELECTRICAL SPECIFICATIONS

Compliant with UL 1863
Current Rating: 1.5Amp max
Voltage Rating: 150V
Contact Resistance: 20 mOhm
Insulation Resistance: 500 MOhm
Dielectric Strength: 1000 V, AC RMS, 60 Hz/1min

STANDARDS/COMPLIANCE

ANSI/TIA/EIA-568-B.2-1 Category 6 requirements
TIA/EIA TSB-40 requirements
ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
CENELEC Generic Cabling Standard EN50173 – 1:2002
RoHS compliant

Ordering Information

Delivery: 1 Category 5e Patch Panel, Easy Clip-on Rear Ca - ble Manager Bar, Universal Wiring Insert, Clear Plastic Label Holders, Label Kit, Cable Ties, Cage Nut and Screws.

Ports	Height	Rack Units	Part No.
24	1.75" (45)	1	INPP5E24
48	3.50" (89)	2	INPP5E48

Cat. 5e 110 IDC Keystone Jacks

- Category 5e UTP Jack with 110 IDC
- 90 Degree, accepts 22-26 AWG conductors
- Color coding for T568A and T568B Wiring Schemes
- High Impact Flame Retardant Plastic Compound

> Infinique's Category 5e, 110 IDC Type Keystone Jacks have a slim profile to ensure a clean professional installation and are designed for use with wall plates and surface boxes. These Jacks are coded for T568A and T568B wiring schemes and complies with performance requirements of current and proposed applications. Collectively with other Infinique's Structured Cabling Products, they are the right solution to your voice and data communication needs.

MATERIAL SPECIFICATIONS

RJ45 8-Pin Connector: FCC part 68, subpart F and IEC-60603-7 Compliant
Spring Wire: Phosphor Bronze with 50µ" Gold over 100µ" Nickel Undercoat
Durability: 750 mating cycles
IDC Connector
IDC Connector: Terminates 22~26 AWG (0.64~0.41 mm)
Insulation Diameter: 0.70~1.40 mm
110 Contacts: 200 terminations
Connector: Phosphorous Bronze with 150µ" Tin-Lead over 50µ" Nickel undercoat
Jack Housing: Polyphenylene Oxide, UL94V.0
Dust Cover and Strain Relief: Polycarbonate, UL94V.0

ELECTRICAL SPECIFICATIONS

Current Rating: 1.5Amp max
Dielectric Strength: 1000 V, AC RMS, 60 Hz/1min
Contact Resistance: 20 mohm
Insulation Resistance: 500 Mohm
Voltage Rating: 150 VAV max
Temperature: -40°C ~ 70°C

STANDARDS/COMPLIANCE

Meets ANSI/TIA/EIA-568-B.2 Category 5e requirements
Meets TIA/EIA TSB-40 requirements
Meets ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
Meets CENELEC Generic Cabling Standard EN50173 – 1:2002
RoHS Compliant

Ordering Information
Delivery: One Modular Jack and One Strain Relief per bag.

Part Number: INEJ5E110CC

Packaging: 1) Bag - 1 Jack; 2) Carton - 25 Jacks
Colors available (CC): Replace CC in Part Number:
GY=Grey, WH=White, BK=Black, BL=Blue

Cat. 5e UTP Patch Cord

- Molded Slim-Line Snag-Less Integrated Boot
- Modular plug contacts 50µ" Gold Plated
- Category 5e UTP 4-pair Stranded 24AWG Cable
- Flame retardant PVC Cable Jacket

> Infinique's Category 5e UTP Patch Cords are designed to guarantee application assurance, provide optimum channel performance and support for high bandwidth applications. Molded Slim-Line Snag-Proof Boot prevents cable pair disturbance that can degrade performance. Slim-Line Boots enable the patch cords to be installed in high density equipment, and prevents snags when pulling cable. Collectively with other Infinique's Structured Cabling Products, they are the right solution to your voice and data communication needs.

MATERIAL SPECIFICATIONS

Plugs: 2 pieces RJ-45 8P8C, Category 5e
Contacts: 50µ" Gold Plated Copper Alloy
Molded Boot: PVC
Conductor: Stranded Copper 24 AWG (0.51mm)
Insulation: HDPE
Cabling: Four Unshielded Twisted Pairs
Pairing: 1 – Blue/White-Blue; 2 – Orange/White-Orange; 3 – Green/White-Green; 4 – Brown/White-Brown
Fire Protection: CM
Fire Safety Standard: UL 1581 VW-1
Outer Jacket: Flame retardant PVC Cable Jacket

STANDARDS/COMPLIANCE

Meets ANSI/TIA/EIA-568-B.2 Category 5e requirements
Meets TIA/EIA TSB-40 requirements
Meets ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
Meets CENELEC Generic Cabling Standard EN50173 – 1:2002
Modular Plugs conform to FCC 47 Part 68.5.
RoHS Compliant

Ordering Information
Delivery: 1 Patch Cord
Part Number: INPC5ELCC
Cable Length: Replace L in Part Number for Cable Length:
05=0.5M, 1=1M, 3=3M, 5=5M, 7=7M, 10=10M
Colors available (CC): Replace CC in Part Number:
GY=Grey, WH=White, BK=Black, BL=Blue,
RD=Red, YL=Yellow, GR=Green, OR=Orange
For custom length to suit your specification please call us for lead times.

Telephony

Infinique's provides an end-to-end Telephony solutions, which includes Category 3 cable, Voice Patch Panel, Connection and Disconnection Modules, Mounting Frames and Distribution Boxes.

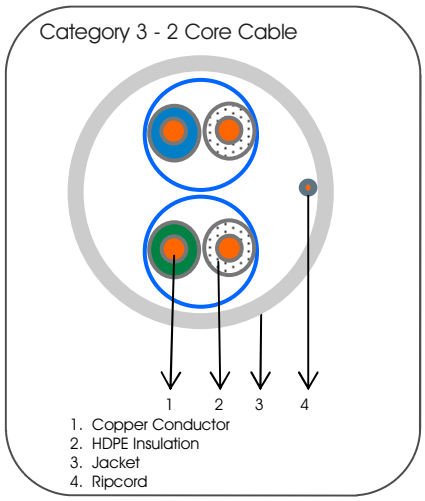
The Infinique Category 3 UTP cables meet or exceed TIA and ISO requirements for Category 3 Class C performance and complies with all of the performance requirements for voice and low speed data up to 10 Mbps 10BASE-T.

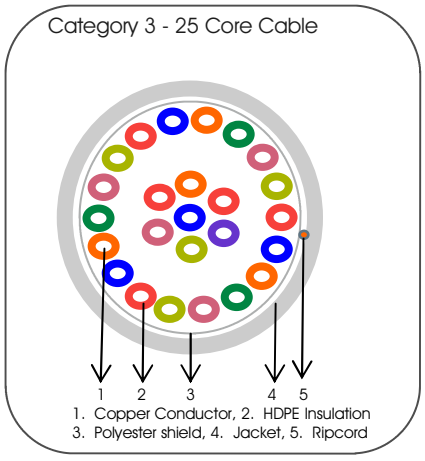
Section Contents

Category 3
Multi-pair UTP Cable

The Infinique Category 3 UTP cables meet or exceed TIA and ISO requirements for Category 3/Class C performance. The cable is constructions with solid bare copper and HDPE insulation, surrounded by polyster tape and sheathed in a jacket which can be of PVC, PE or LSOH. A rip cord is laid under the jacket to facilitate its removal.

Infinique's Category 3 cables comply with all of the performance requirements for voice and low speed data up to 10 Mbps 10BASE-T. A rip cord is laid under the jacket to facilitate its removal.





ELECTRICAL SPECIFICATIONS

Mutual Capacitance	6.6nF/100m nominal
Characteristic Impedance	100Ω ±15%, 1 - 20MHZ
DC Resistance	9.38Ω/100m maximum
Conductor DC Resistance	28.6Ω/1000ft maximum
Insulation DC Resistance	500 MΩ/1000ft maximum
Voltage	300VAC or VDC
Propagation Delay	5.7ns/m maximum @ 10MHz
Nominal Velocity of Propagation	70%
Transmission Performance	TIA/EIA-568-C 10 channel and link performance

PHYSICAL PROPERTIES

Conductor	Solid Bare Copper 24 AWG | Ø (mm): 0.50±0.003mm
Insulation	HDPE
Rip Cord	Nylon Thread
Jacket	Sheath Material: PVC / PE / LSOH
Pulling Tension Max	110N (25lbf)
Bend Radius	One Time: 4 x O.D. Installation: 8 x O.D.
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 75°C
Installation Temperature	0°C ~ 60°C

TRANSMISSION PERFORMANCE

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PS NEXT (dB)	Impedance (ohm)	Return Loss (dB)
1	2.6	41.3	41.3	100 ±15	12.0
4	5.6	32.3	32.3	100 ±15	12.0
8	8.5	27.8	27.8	100 ±15	12.0
10	9.7	26.3	26.3	100 ±15	12.0
16	13.1	23.3	23.3	100 ±15	10.0

STANDARDS / COMPLIANCE

Meets or Exceeds UL444, UL1581
Flame Retardant as per IEC 60332-1 and EN 50266-2-1
Non Corrosive as per IEC 60754-2 and EN 50267
Low Smoke Emission as per IEC 61034 and EN 50268

ETHERNET APPLICATIONS SUPPORTED

100BASE-T4
10BASE-T
Telephony Voice Wiring

ORDERING INFORMATION
Category 3 Multi-Pair UTP Cable

Part Number	Twisted Pairs	Conductor Diameter	Insulation Diameter	Cable Diameter	Jacket Type
INC3U02GYR	2	0.50	0.88	3.9	PVC
INC3U25GYR	25	0.50	0.88	11.8	PVC
INC3U50GYR	50	0.50	0.88	14.8	PVC
INC3U100GYR	100	0.50	0.88	19.8	PVC

Jacket Options: PVC, PE, LSOH Replace X in Part Number: R=PVC | P=PE | L= LSOH

High Density
Voice Patch Panel

Infinique Voice Patch Panel is designed to provide a cost-effective and simple way to feed PBX or other simple voice circuits into a structured cabling system. Each port is clearly identified and is capable of carrying up to three voice pairs. PBX systems requiring functional earth facilities e.g. Earth Loop Recall, can be simply catered for by commoning any single voice pair across the panel. The patch panel is supplied with a fixing and grounding kit, whilst individual ports are numbered individual port identification.

MATERIAL SPECIFICATIONS

Modular Connector
Durability: 750 Mating Cycles
RJ45 Socket: Gold plated contacts, 8 position, 8 contact socket
Spring Wire: Phosphor Bronze with 50µ" Gold over 100µ" Nickel Undercoat
Housing: Standard Material Glass Filled Polyester UL94V.O
IDC Connector
IDC Connector: Terminates 22~26 AWG (0.64~0.41 mm)
Insulation Diameter: 0.70~1.40 mm
IDC Block: 200 Termination Cycles
IDC Contact: Phosphor Bronze with 200µ" Silver over 100µ" Nickel undercoat
IDC Body: UL 94V.O Fire-Retardant Plastic
Metal Frame: SPCC Powder Coated Steel

ELECTRICAL SPECIFICATIONS

Compliant with UL 1863
Current Rating: 1.5Amp max
Voltage Rating: 150V
Contact Resistance: 20 mOhm
Insulation Resistance: 500 MOhm
Dielectric Strength: 1000 V, AC RMS, 60 Hz/1min

STANDARDS/COMPLIANCE

TIA/EIA TSB-40 requirements
ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
CENELEC Generic Cabling Standard EN50173 – 1:2002
RoHS compliant

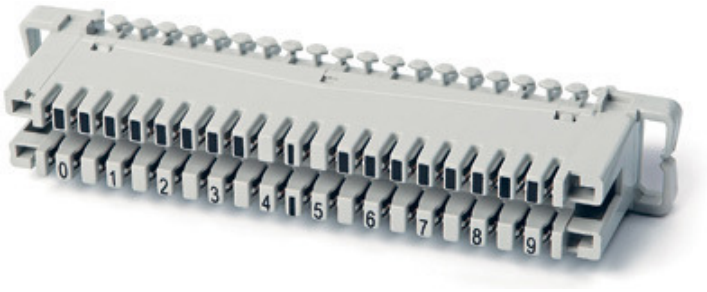
- Very High Density Panel of 50 Ports in 1U capacity
- Color coding for T568A and T568B standards
- Accepts 22-26 AWG solid wire
- Built in rear cable management
- 8P8C Voice Grade Patch Panel

Ordering Information
High Density Voice Patch Panel

Part Number	Ports	Dimension (w x d x h)	Rack Units
INPPT50	50	485 x 175 x 45 mm	1

Delivery: 1 High Density Voice Patch Panel, Easy Clip-on Rear Cable Management Bar, Universal Wiring Insert, Cable Ties, Cage Nut and Screws.

Connection and Disconnection Modules



10 Pairs Connection Module

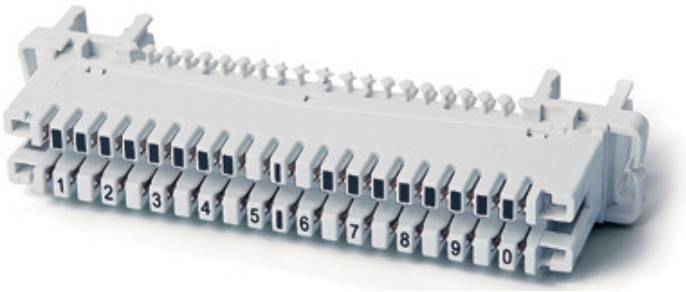
Compatible with Cat.5e
Complies with En 50173/ISO 11801
White ABS/PBT Housing
Phosphor Bronze Contact

Part Number: INCNM10P

10 Pairs Disconnection Module

Compatible with Cat.5e
Complies with En 50173/ISO 11801
White ABS/PBT Housing
Phosphor Bronze Contact

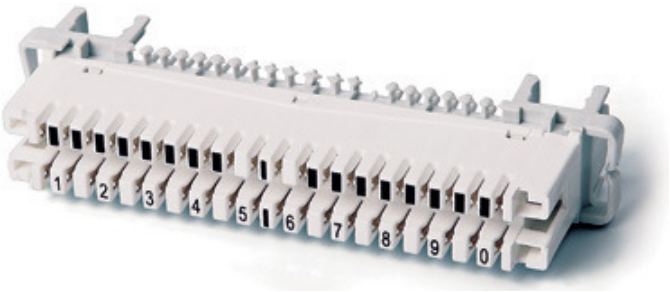
Part Number: INDNM10P



10 Pairs Krone Connection Module

Compatible with Cat.5e
Complies with En 50173/ISO 11801
2/10 Back Mount Frame
Din Rails with White ABS/PBT Housing
Phosphor Bronze Contact

Part Number: INKCNM10P



10 Pairs Krone Disconnection Module

Compatible with Cat.5e
Complies with En 50173/ISO 11801
2/10 Back Mount Frame
Din Rails with White ABS/PBT Housing
Phosphor Bronze Contact

Part Number: INKDNM10P

ORDERING INFORMATION
Connection and Disconnection Module 10 Pair

Part Number	Description
INCNM10P	10 Pairs Connection Module
INDNM10P	10 Pairs Disconnection Module
INKCNM10P	10 Pairs Krone Connection Module
INKDNM10P	10 Pairs Krone Disconnection Module

Accessories

Disconnection Plug - 1 Pair

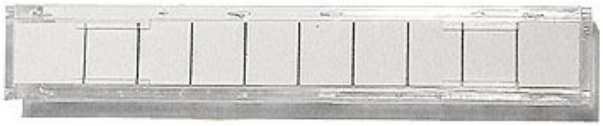
U Shaped Stainless Steel Frames
High Degree of Stability
Corrosion Resistant
1 to 10 Krone Modules Connectivity

Part Number: INDP1P

Disconnection Plug—10 Pairs

19" Rack Mountable Frames
Built-in Cable Manger
Stainless Steel Construction
High Degree of Stability
Corrosion Resistant
9 to 18 Krone Modules Connectivity

Part Number: INDP10P



Hinged Label Holder

Directly Mountable on Modules
Supports both Connection and Disconnection Modules
Includes Paper Label and Transparent Cover

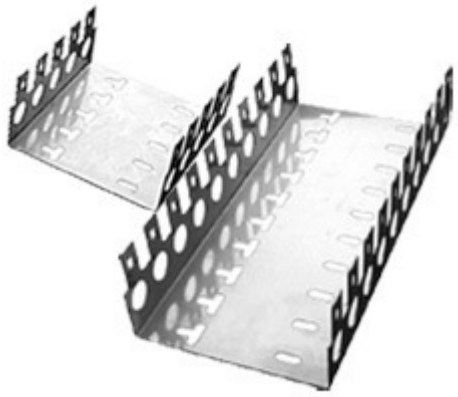
Part Number: INLH10P

66 Type Cross Connect Panel

50 Pairs Cross Connect Panel
Category 5
Stainless Steel Construction
High Degree of Stability
Corrosion Resistant
9 to 18 Krone Modules Connectivity

Part Number: IN66CC50P

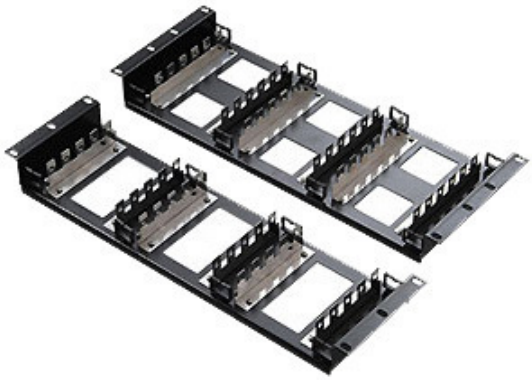
Krone Connection Module Mounting Frames



Back Mount Frames

U Shaped Stainless Steel Frames
High Degree of Stability
Corrosion Resistant
1 to 10 Krone Modules Connectivity

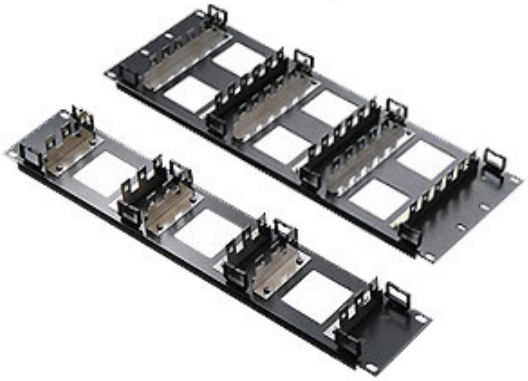
Part Number: INBMF10M



Recessed Rack Mounting Frames

19" Rack Mountable Frames
Built-in Cable Manger
Stainless Steel Construction
High Degree of Stability
Corrosion Resistant
9 to 18 Krone Modules Connectivity

Part Number: INRRMF18M



Rack Mounting Frames

19" Rack Mountable Frames
Built-in Cable Manger
Stainless Steel Construction
High Degree of Stability
Corrosion Resistant
9 to 18 Krone Modules Connectivity

Part Number: INRMF18M

Ordering Information
Mounting Frames for Krone Connection Modules

Part Number	Description	Modules Connectivity
INBMF01M	Back Mount Frame for Krone Connection Modules	1
INBMF03M	Back Mount Frame for Krone Connection Modules	3
INBMF05M	Back Mount Frame for Krone Connection Modules	5
INBMF10M	Back Mount Frame for Krone Connection Modules	10
INRRMF09M	19" Recessed Mounting Frame for Krone Connection Modules 2U	9
INRRMF15M	19" Recessed Mounting Frame for Krone Connection Modules 3U	15
INRRMF18M	19" Recessed Mounting Frame for Krone Connection Modules 4U	18
INRMF09M	19" Mounting Frame for Krone Connection Modules 2U	9
INRMF15M	19" Mounting Frame for Krone Connection Modules 3U	15
INRMF18M	19" Mounting Frame for Krone Connection Modules 4U	18

Distribution Boxes

Outdoor Distribution Boxes

Fully molded construction
Stable and Impact Resistance
Polystyrene self-extinguishing Plastic
30, 50 and 100 Pair Connectivity

Part Number: INODB30P

Indoor Distribution Box

Stainless Steel Construction
Stable and Impact Resistance
Indoor Application
Lockable Screw
30, 50 and 100 Pair Connectivity

Part Number: INIDB30P

Wall Mount Distribution Box

Stainless Steel Housing
Easy Wall Mountable Design
Accommodates Connection, Disconnection Modules
Cable Glands in top and bottom panels
400, 800 and 1200 Pair Connectivity

Part Number: INWDB800P

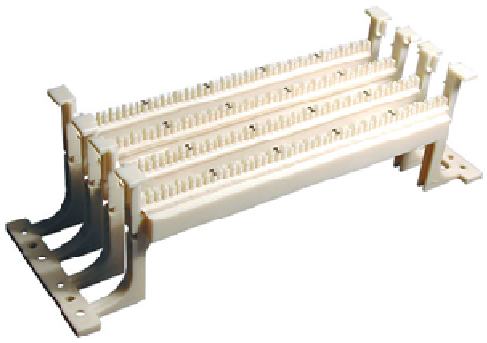
ORDERING INFORMATION
Distribution Boxes

Part Number	Description	Dimensions (w x h x d) mm
INODB30P	Outdoor Distribution Box 30 Pairs	185 x 135 x 80
INODB50P	Outdoor Distribution Box 50 Pairs	195 x 195 x 85
INODB100P	Outdoor Distribution Box 100 Pairs	350 x 190 x 95
INIDB30P	Indoor Distribution Box 100 Pairs	180 x 170 x 75
INIDB50P	Indoor Distribution Box 50 Pairs	190 x 205 x 105
INIDB100P	Indoor Distribution Box 100 Pairs	275 x 205 x 105
INWDB400P	Wall Mount Distribution Box 400 Pairs	1100 x 280 x 150
INWDB800P	Wall Mount Distribution Box 800 Pairs	1100 x 500 x 150
INWDB1200P	Wall Mount Distribution Box 1200 Pairs	1100 x 720 x 150

110 Cross Connect Wiring Blocks

110 Wiring Block from Infinique is a flexible, reliable and high density system that exceeds the ANSI/TIA/EIA-568-B.2 Category 5e component performance specifications. These are used for voice and data applications where space limits the use of relay rack. A high density 110 termination field for voice and data applications can be cre ated by mounting 110 Wiring Blocks on wall or backboards. 110 Wiring Block are available in pairs of 50, 100 and 300 with or without standoff legs.

- Exceeds ANSI/TIA/EIA-B.2 Category 5e Specifications
- Cost-effective, reliable solution for high-density applications
- Interoperability with existing 110 systems
- Flexible solution consisting of 50, 100, and 300 pair wiring blocks



MATERIAL SPECIFICATIONS

Wiring Blocks:
Polycarbonate UL 94V-0
Conductor: Solid or Stranded 26-22 AWG

STANDARDS/COMPLIANCE

Meets ANSI/TIA/EIA-568-B.2 Category 6 Requirements
Meets ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
Meets CENELEC Generic Cabling Standard EN50173 – 1:2002
Electrical Specs according to UL 1863
RoHS Compliant

ORDERING INFORMATION
110 Cross Connect System

Part No.	Description
IN110WB50	110 Wiring Block 50 Pairs without Legs
IN110WB100	110 Wiring Block 100 Pairs without Legs
IN110WB300	110 Wiring Block 300 Pairs without Legs
IN110WB50L	110 Wiring Block 50 Pairs with Legs
IN110WB100L	110 Wiring Block 100 Pairs with Legs
IN110WB300L	110 Wiring Block 300 Pairs with Legs

Delivery: Without Connecting Block

110 Cross Connect Wiring Panels

110 Cross Connection Panel from Infinique is a flexible, reliable and high density system that exceeds the ANSI/TIA/EIA-568-B.2 Category 5e component performance specifications. They are designed for 19" mounting construction. These are used for voice and data applications where space limits the use of relay rack. A high density 110 termination field for voice and data applications can be created by mounting 110 Cross Connection Panel on wall or distribution frame. 110 Cross Connection Panel are available 100, 200, 300 and 400 pair type panel.

- Exceeds ANSI/TIA/EIA-B.2 Category 5e Specifications
- Accepts discrete wire or 110-type patch cord.
- Cost-effective, reliable solution for high-density applications
- Interoperability with existing 110 systems
- Flexible solution consisting of 100, 200, 300 and 400 pair

MATERIAL SPECIFICATIONS

Polycarbonate UL 94V-0
Conductor: Solid or Stranded 26-22 AWG

STANDARDS/COMPLIANCE

Meets ANSI/TIA/EIA-568-B.2-1 6-110 Requirements
Meets ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
Meets CENELEC Generic Cabling Standard EN50173 – 1:2002
Electrical Specs according to UL 1863
RoHS Compliant

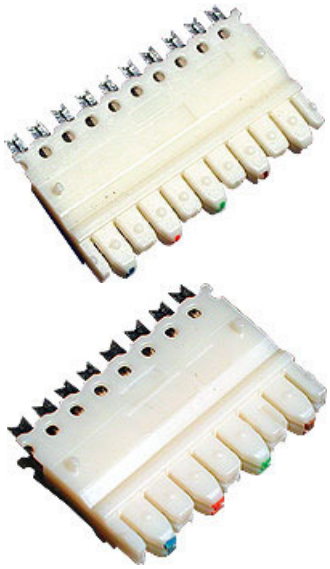
ORDERING INFORMATION
110 Cross Connection Panel

Part No.	Description
IN110PP100P	Infinique 110 type 100-pair cross connection panel, 19" 1U
IN110PP200P	Infinique 110 type 200-pair cross connection panel, 19" 2U
IN110PP300P	Infinique 110 type 300-pair cross connection panel, 19" 3U
IN110PP400P	Infinique 110 type 400-pair cross connection panel, 19" 4U

110 Cross Connect Connection Blocks

110 Connecting Blocks from Infinique are terminated to the 110 Wiring Blocks using 110/5 pair terminating tool. Exceeds Category 5e channel performance when used in conjunction with Category 5e systems. Meets ANSI/EIA/TIA-568-A connecting hardware reliability requirements. 110 Connecting Blocks are available in 4 Pairs and 5 pairs

- Exceeds Cat.5e Channel Performance.
- Accepts discrete wire or 110-type patch cord.



MATERIAL SPECIFICATIONS

Polycarbonate UL 94V-0
Contact Material: Phosphor Bronze
Contact Plating: Tin/Lead Solder
Conductor Type: Solid or Stranded
Conductor: Solid or Stranded 26-22 AWG

STANDARDS/COMPLIANCE

Meets ANSI/TIA/EIA-568-B.2 Category 6 Requirements
Meets ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
Meets CENELEC Generic Cabling Standard EN50173 – 1:2002
Electrical Specs according to UL 1863
RoHS Compliant

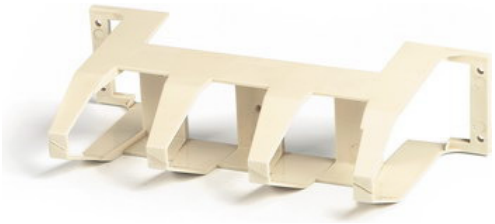
ORDERING INFORMATION
110 Connecting Blocks

Part No.	Description
IN110CB4P	110 Connecting Block Cat.5e 4 Pair
IN110CB5P	110 Connecting Block Cat.5e 5 Pair

110 Cross Connect Wire Manager

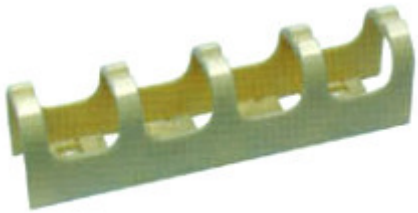
110 Wiring Manager can be installed between wiring blocks to organize jumpers and patch cords. Comes with legs or without legs and can be mounted on walls or backboards.

- Horizontal patch cord management to complete a 110 Cross Connect System
- Prevents installed cables from exceeding the minimum bend radius requirements as per TIA-568-A.

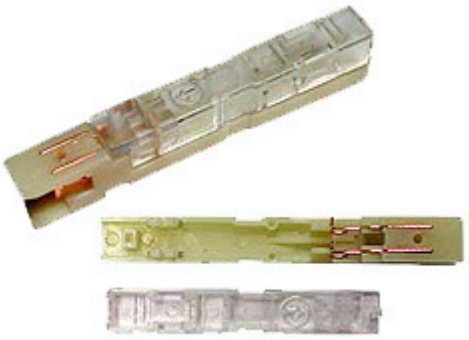


ORDERING INFORMATION
110 Wire Manager

Part No.	Description
IN110WM	110 Wire Manager without Legs
IN110WML	110 Wire Manager with Legs



110 Cross Connect Patch Plugs



110 Type Patch Plug 1 Pair

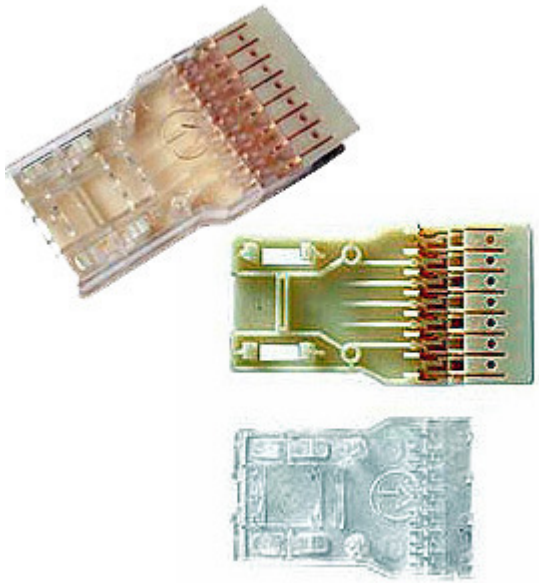
Cap Down or Punch Down Termination
Reinforced Sturdy Design
Ergonomically Styled Non-Slip Surface
PC / ABS Housing
Transparent PC Cover
Phorphor Bronze Gold Plated Pin

Part Number: IN110PP1P

110 Type Patch Plug 2 Pair

Cap Down or Punch Down Termination
Reinforced Sturdy Design
Ergonomically Styled Non-Slip Surface
PC / ABS Housing
Transparent PC Cover
Phorphor Bronze Gold Plated Pin

Part Number: IN110PP2P



110 Type Patch Plug 4 Pair

Cap Down or Punch Down Termination
Reinforced Sturdy Design
Ergonomically Styled Non-Slip Surface
PC / ABS Housing
Transparent PC Cover
Phorphor Bronze Gold Plated Pin

Part Number: IN110PP4P

Face Plates

Infinique's comprehensive offering of faceplates and mounting accessories deliver innovative and flexible options for support of work area connectivity. NA Series and UK Series faceplates are available in a range of port counts and colors to support nearly any configuration.

Section Contents

NA Series
Modular Multimedia Face Plate

The Infinique Modular Multimedia NA Series Face Plates combine high density with aesthetics providing a fresh look to match today's office decor. These face plates are of North American Standards and are designed to be used with angled or flat NA Modules. They also offers complete multimedia support. These face plates offer superior density and a single gang face plate fits up to 6 outlets and a dual gang fits up to 12 outlets.

Face plates include pressure-release designation label covers for easy and quick, tool-less removal. Color coded icons allows for quick identification of the outlets. These face plates comes in different finishes of, white, black, gray, ivory, gold and chrome.

Fast Identification
Color-coded icons allow users to instantly identify different types of devices or applications

Superior Density
Fits up to 6 outlets in a single gang or 12 ports in a dual gang faceplate

Labeling
Faceplates include pressure-release designation label covers for easy and quick tool-less removal.

Color Options
Faceplates available in black, white, gray, ivory, gold, and chrome finish

Multimedia Support
Complete multimedia support

INAFP1GWH NA Series Face Plate Single Gang

INAFP2GWH NA Series
Face Plate Dual Gang

INAMFC6CC NA Series Flat
Modules Category 6

ORDERING INFORMATION
Modular Multimedia NA Series Face Plates

Part No.	Description
INAFP1GCC	Modular Multimedia NA Series Face Plate Single Gang
INAFP2GCC	Modular Multimedia NA Series Face Plate Dual Gang
INAMFC6CC	NA Series Flat Modules Category 6
INAMAC6CC	NA Series Angled Modules Category 6

Delivery: Face Plate, Fixing Screws in easy tear bag
Packaging: Bag=1 Face Plate | Carton=25 Face Plates

Color Options: Replace CC with choice of color WH: White, BK: Black, GY: Gray, IV: Ivory, GL: Gold, CH: Chrome

NA Series
Flat Shuttered Face Plate

Infinique's NA Series Flat Shuttered Face Plate comes unloaded with shutter. Available in 2, 4 and 6 ports in white color. Size 70 x 115 mm

- Flat, Unloaded with shutter
- American Standard, Size 70 x 115 mm
- Available in 2, 4 and 6 ports

Ordering Information
Delivery: Face Plate, Fixing Screws in easy tear bag
Packaging: Bag=1 Face Plate | Carton=25 Face Plates

Part No.	Description
INFP270	NA Series Flat Shuttered Face Plate 2 Ports
INFP470	NA Series Flat Shuttered Face Plate 4 Ports
INFP670	NA Series Flat Shuttered Face Plate 6 Ports

NA Series
Flat Un-Shuttered Face Plate

Infinique's NA Series Flat Un-Shuttered Face Plate comes unloaded with no shutter. Available in 2, 4 and 6 ports in white color. Size 70 x 115 mm

- Flat, Unloaded with no shutter
- American Standard, Size 70 x 115 mm
- Available in 2, 4 and 6 ports

Ordering Information
Delivery: Face Plate, Fixing Screws in easy tear bag
Packaging: Bag=1 Face Plate | Carton=25 Face Plates

Part No.	Description
INFP270U	NA Series Flat Un-Shuttered Face Plate 2 Ports
INFP470U	NA Series Flat Un-Shuttered Face Plate 4 Ports
INFP670U	NA Series Flat Un-Shuttered Face Plate 6 Ports

NA Series
Wall Mount Box

Infinqiue's NA Series Wall Mount Box is available in white color and is of size 70 x 115 x 36 mm. These Wall Mount boxes ensures the proper bend radius for the cable.

Ordering Information
Delivery: Mount Box , Fixing Screws in easy tear bag Packaging:
Bag=1 Box | Carton=25 Boxes

Part No.	Description
INWB70	NA Series Wall Mount Box

UK Series
Shuttered Face Plates

Infinique's UK Series Face Plates are aesthetically designed to provide a fresh look to match today's office decor. These face plates are of UK Standards and are available in both single and dual ports in color white. Face plates include pressure-release designation label covers for easy and quick, tool-less removal.

Faceplates are packed in individual easy tear bags with labels, transparent cover and fixing screws.

ORDERING INFORMATION
UK Series Shuttered Face Plates

Part No.	Description
INFP186	UK Series Shuttered Face Plate Single Port
INFP286	UK Series Shuttered Face Plate Dual Port

Delivery: Face Plate, Fixing Screws, Labels, Transparent Cover in easy tear bag. Packaging: Bag=1 Face Plate | Carton=25 Face Plates.

INFP186 UK Series Shuttered Face Plate Single Port

UK Series
Décor Shuttered Face Plates

Infinique's UK Series Décor Shuttered Face Plates are aesthetically de signed and are available in single and dual ports. These face plates have a flat and smooth surface and ideally suited for hotel rooms and aesthetically designed interiors.

These face plates comes in different finishes of, white, black, gray, ivory, gold and chrome. Faceplates are packed in individual easy tear bags with labels, transparent cover and fixing screws.

ORDERING INFORMATION
UK Series Décor Shuttered Face Plates

Part No.	Description
INDFP186CC	UK Series Décor Shuttered Face Plates Single Port
INDFP286CC	UK Series Décor Shuttered Face Plates Dual Port

Delivery: Face Plate, Fixing Screws in easy tear bag
Packaging: Bag=1 Face Plate | Carton=25 Face Plates Color Options: Replace CC with choice of color WH: White, BK: Black, GY: Gray, IV: Ivory, GL: Gold, CH: Chrome


INDFP286WH UK Series Decor Shuttered Face Plate

UK Series
Angled Un-Shuttered Face Plates

Infinique's UK Series Angled Un-Shuttered Face Plates have color coded icons allows for quick identification of the outlets. These face plates are of UK Standards and are available in both single and dual ports in color white. Face plates include pressure-release designation label covers for easy and quick, tool-less removal.

ORDERING INFORMATION
UK Series Décor Shuttered Face Plates

Part No.	Description
INFPA186	UK Series Angled Un-Shuttered Face Plates Single Port
INFPA286	UK Series Angled Un-Shuttered Face Plates Dual Port

Delivery: Face Plate, Fixing Screws in easy tear bag
Packaging: Bag=1 Face Plate | Carton=25 Face Plates


INFPA286 UK Series Angled Un-Shuttered Face Plate

UK Series
Decora Modular Face Plate

Infinique's UK Series Decora Modular Face Plate are of superior design and aesthetically looking face plates. They can be used with both flat and angled modular adapters. These face plates are of UK standards are available in single and dual ports combinations. They are available in white, grey and ivory finish.

ORDERING INFORMATION
UK Series Decora Modular Face Plates

Part No.	Description
INMFP186	UK Series Modular Face Plate 1 Port
INMFP286	UK Series Modular Face Plate 2 Ports
INMFPAM	UK Series Blank Angled Bracket for 1 Keystone Jack
INMPPFM	UK Series Blank Flat Bracket for 1 Keystone Jack

Delivery:
Face Plate, Fixing Screws in easy tear bag
Packaging: Bag=1 Face Plate | Carton=25 Face Plates

Bracket: Blank Bracket in easy tear bag.
Packaging: Bag=1 Bracket | Carton=50 Bracket

UK Series
Wall Mount Box

Infiinique's UK Series Wall Mount Box, size 86 x 86 x 36 mm. Available in white color.

ORDERING INFORMATION
UK Series Wall Mount Box

Part No.	Description
INWB86	UK Series Wall Mount Box

Delivery: Mount Box , Fixing Screws in easy tear bag
Packaging: Bag=1 Box | Carton=25 Boxes

Surface Mount Box
RJ45, Cat.6

Infinique's Surface Mount Boxes feature a sleek compact, easy-to-install design for Cat.6 and Cat.5e RJ45 UTP module. Multiple cable management features provide a high performance and well organized installation.

- Surface Mount Housing with shutter
- Category 6, RJ-45 Jack
- Size: Single - 47 x 64.5 x 25.2 mm | Dual71.45x64.5x25.2 mm
- Available in white color, single and dual ports

Surface Mount Box
RJ45, Cat.5e

- Surface Mount Housing with shutter
- Category 5e, RJ-45 Jack
- Size: Single - 47 x 64.5 x 25.2 mm | Dual71.45x64.5x25.2 mm
- Available in white color, single and dual ports

MATERIAL SPECIFICATIONS

Housing: ABC UL 94V-0
IDC: PC UL94V-0
PCB: FR-4 1.6 mm (0.06") thick, 2 layers
PCB Jack: Glass Fiber PBT UL 94V-O, 0.45 mm (0.018") thick
Contacts: Phosphor Bronze with Gold Plating on Contact Area

ELECTRICAL SPECIFICATIONS

Current rating: 1.5 A max UL 1863 Compliant
Voltage rating: 150 V
Contact resistance: 20 mOhm
Insulation resistance: 50 mOhm
Dielectric withstand voltage: 1000 V AC RMS, 60 Hz 1 min

ORDERING INFORMATION
Surface Mount Box RJ45

Part No.	Description
INC6SMB1	Surface Mount Box RJ45, Cat.6 - 1 Port
INC6SMB2	Surface Mount Box RJ45, Cat.6 - 2 Ports
INC5ESMB1	Surface Mount Box RJ45, Cat.5e - 1 Port
INC5ESMB2	Surface Mount Box RJ45, Cat.5e - 2 Ports

Delivery: Face Plate, Fixing Screws in easy tear bag
Packaging: Bag=1 Face Plate | Carton=25 Face Plates

Surface Mount Box
RJ12

Surface Mount Box RJ12 Single Port

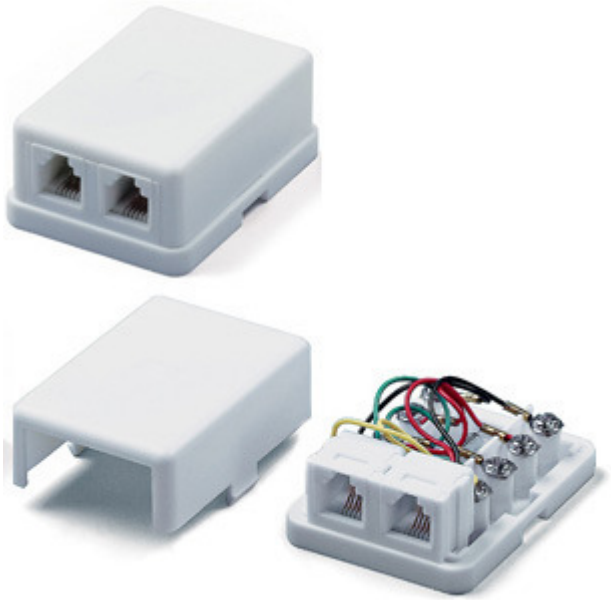
ABS UL94V-0 Surface Mount Housing
RJ12 6P4C Single Port
PC UL94V-0 IDC
PCB 2 Layers of FR-4 1.6mm thickness
Availability in white color

Part Number: INRJ12SMB1

Surface Mount Box RJ12 Dual Port

ABS UL94V-0 Surface Mount Housing
RJ12 6P4C Single Port
PC UL94V-0 IDC
PCB 2 Layers of FR-4 1.6mm thickness
Availability in white color

Part Number: INRJ12SMB2



MATERIAL SPECIFICATIONS

Housing: ABC UL 94V-0
IDC: PC UL94V-0
PCB: FR-4 1.6 mm (0.06") thick, 2 layers
PCB Jack: Glass Fiber PBT UL 94V-O, 0.45 mm (0.018") thick
Contacts: Phosphor Bronze with Gold Plating on Contact Area

ELECTRICAL SPECIFICATIONS

Current rating: 1.5 A max UL 1863 Compliant
Voltage rating: 150 V
Contact resistance: 20 mOhm
Insulation resistance: 50 mOhm
Dielectric withstand voltage: 1000 V AC RMS, 60 Hz 1 min

STANDARDS / COMPLIANCE

Meets TIA/EIA TSB-40
Meets ISO/IEC generic cabling standard 11801
Meets CENELEC generic cabling standard EN50173

Server Cabinets, Accessories and Tools

Infinique offers a wide range of cabinets which includes Elite Series Server Cabinets, FTTX cabinets, single section and double section cabinets. Infinique's Elite server cabinets are designed for applications that require the highest quality and most advanced features. These server cabinets provide quality, protection and security for mission critical equipment. Excellent for servers on roll-out glides.

Infinique's rack mountable solutions are shelving, power, temperature control, cooling units and grounding bars. Infinique has a range of sturdy tools and testers to facilitate installations.

Section Contents

Elite Series
Server Cabinet

Infinique's Elite server cabinets are designed for applications that require the highest quality and most advanced features. These server cabinets provide quality, protection and security for mission critical equipment. Excellent for servers on roll-out glides.
Server cabinets available in standard EIA heights, widths, and depths. (Inside dimensions) Heights: 18u, 22u, 27u, 32u, 37u, 42u, 47u Widths: 600, 800 mm Depths: 600, 800, 1000 mm.

- Efficiently designed 42U server cabinets
- Smoked shatterproof glass panel front door with accent trim and integrated locking mechanism.
- Solid Steel Welded Construction and connected four-corner to ensure stability
- Multiple cable entry points provide maximum versatility, sliding access panel on the bottom, pre-punched holes on the top of the cabinet, rear side of bottom and top cases.
- 4PCS Apeak Cable Management Bar
- Adjustable Feet and Heavy Duty Castors
- Four Fan Ventilation Units with a ventilation rate above 55%
- 3 fixed shelf, 19" 6 way PDU
- 40 sets Stainless Steel Square Nuts and Screws
- Supplied as flat pack, easy to assemble

MATERIAL SPECIFICATIONS

Frame: SPCC cold steel
Other Parts: SPCC Cold Steel
Thickness: 1.1-2.0mm
Protection Degree: IP56
Loading Capacity: Static loading: 1100 lbs (500 kg)
Surface Finish: Degreasing, Pickling, Phosphoric Powder Coated

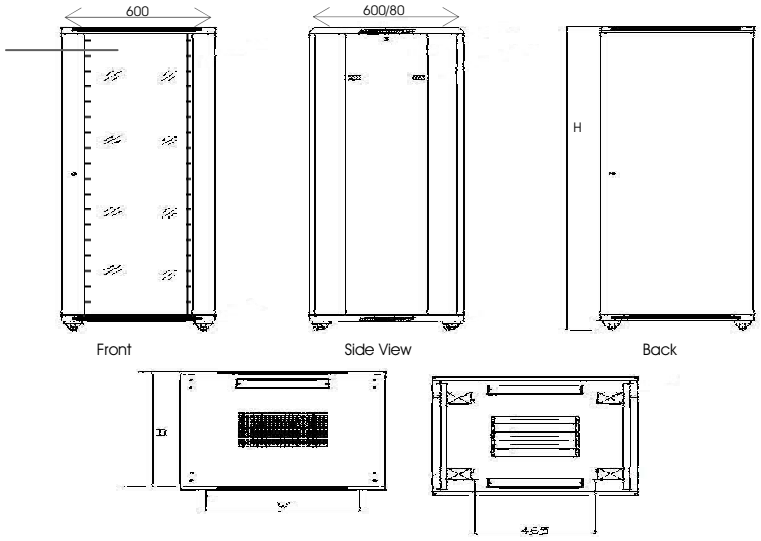
STANDARDS/COMPLIANCE

Load Vibration, Impact: EN61587-1/5.3.1,EN61587-1/5.3.3,IEC60068-2-6, IEC60068-2-27
Earth Bond: EN61587-1/6.2
Flammability: EN61587-1/6.3
Degrees of Protection : IP20 or IP55, EN61587-1/6.4
TSE:EN 61587-1 Mechanical Structures for Electronic Equipment : IEC 60917, IEC 60297
Climatic and Environment: EN 61587-1/4.2, IEC60068-2-1, IEC60068-2-2, IEC60068-2-30,
Static Mechanical Load Lifting: EN61587-1/5.2.1
Static Mechanical Load Stiffness: EN61587-1/5.2.2

Part	Quantity	Material	Surface Finish
Top Cover	1	SPCC Cold Rolled Steel	Powder Coated
Mounting Profile	4	SPCC Cold Rolled Steel	Powder Coated
Mounting Angle	NA		
Apeak Cable Management Bar	4	SPCC cold steel	Powder Coated
Small Round Lock	1-3		Nickel Coated
Toughened Glass Front Door	1	Toughened glass | SPCC	Powder Coated
Front Door Lock	1		
2" Heavy Duty Castor	2	Nylon	
Frame	2	SPCC cold steel	Powder Coated
Side Panel	2	SPCC cold steel	Powder Coated
Steel Rear Door	1	SPCC cold steel	Powder Coated
Bottom Panel	1	SPCC cold steel	Powder Coated
Spacer	20 or 25 or 30	Plastic	
M6 B-Head Screw	42	Steel	Galvanized
M6 Square Nut	42	Steel	Galvanized
Allen Wrench	1	Steel	Black
M12 Adjustable Feet	4	Steel	Galvanized
Fan Tray	4 Fans	Steel	Powder Coated

Elite Series
Server Cabinet

Technical Drawings



ORDERING INFORMATION

Elite Series Server Cabinets, Width = 600 mm, Depth = 600, 800, 1000 mm

Part No.	Rack Units U=44.45(mm)	Inside Dimension ((w x d x h) (mm)	Outside Dimension (w x d x h) ((mm)	Volume (CBM)	Net Wt. (Kg)	Gross Wt. (Kg)
IC60W60D18	18	600 x 600 x 988	620 x 620 x 1010	0.388	42.17	44.85
IC60W60D22	22	600 x 600 x 1166	620 x 620 x 1190	0.457	47.64	50.64
IC60W60D27	27	600 x 600 x 1388	620 x 620 x 1410	0.542	52.60	56.00
IC60W60D32	32	600 x 600 x 1610	620 x 620 x 1630	0.626	57.71	61.41
IC60W60D37	37	600 x 600 x 1833	620 x 620 x 1850	0.711	63.20	67.27
IC60W60D42	42	600 x 600 x 2055	620 x 620 x 2080	0.799	69.64	74.09
IC60W60D47	47	600 x 600 x 2277	620 x 620 x 2290	0.880	74.70	79.80
IC60W80D18	18	600 x 800 x 988	620 x 820 x 1010	0.513	51.14	54.26
IC60W80D22	22	600 x 800 x 1166	620 x 820 x 1190	0.604	57.57	61.07
IC60W80D27	27	600 x 800 x 1388	620 x 820 x 1410	0.716	63.32	67.12
IC60W80D32	32	600 x 800 x 1610	620 x 820 x 1630	0.828	69.09	73.39
IC60W80D37	37	600 x 800 x 1833	620 x 820 x 1850	0.940	75.50	80.23
IC60W80D42	42	600 x 800 x 2055	620 x 820 x 2080	1.057	83.48	88.65
IC60W80D47	47	600 x 800 x 2277	620 x 820 x 2290	1.164	89.31	94.88
IC60W100D18	18	600 x 1000 x 988	620 x 1020 x 1010	0.638	63.60	67.10
IC60W100D22	22	600 x 1000 x 1166	620 x 1020 x 1190	0.752	71.06	75.06
IC60W100D27	27	600 x 1000 x 1388	620 x 1020 x 1410	0.891	77.50	82.00
IC60W100D32	32	600 x 1000 x 1610	620 x 1020 x 1630	1.030	83.95	88.85
IC60W100D37	37	600 x 1000 x 1833	620 x 1020 x 1850	1.169	91.41	96.71
IC60W100D42	42	600 x 1000 x 2055	620 x 1020 x 2080	1.315	100.80	106.69
IC60W100D47	47	600 x 1000 x 2277	620 x 1020 x 2290	1.448	106.30	112.60

Shipping Information (Width = 600 mm, Depth = 600, 800, 1000 mm)

Part No.	Rack Units	No of Packages	Package 1	Package 2	Package 3
IC60W60D18	18	3	780 x 620 x 100	620 x 620 x 120	840 x 620 x 250
IC60W60D22	22	3	960 x 620 x 100	620 x 620 x 120	1020 x 620 x 250
IC60W60D27	27	3	1180 x 620 x 100	620 x 620 x 120	1240 x 620 x 250
IC60W60D32	32	3	1410 x 620 x 100	620 x 620 x 120	1470 x 620 x 250
IC60W60D37	37	3	1630 x 620 x 100	620 x 620 x 120	1690 x 620 x 250
IC60W60D42	42	3	1850 x 620 x 100	620 x 620 x 120	1910 x 620 x 250
IC60W60D47	47	3	2075 x 620 x 100	620 x 620 x 120	2135 x 620 x 250
IC60W80D18	18	3	780 x 620 x 100	620 x 820 x 120	840 x 620 x 250
IC60W80D22	22	3	960 x 620 x 100	620 x 820 x 120	1020 x 620 x 250
IC60W80D27	27	3	1180 x 620 x 100	620 x 820 x 120	1240 x 620 x 250
IC60W80D32	32	3	1410 x 620 x 100	620 x 820 x 120	1470 x 620 x 250
IC60W80D37	37	3	1630 x 620 x 100	620 x 820 x 120	1690 x 620 x 250
IC60W80D42	42	3	1850 x 620 x 100	620 x 820 x 120	1910 x 620 x 250
IC60W80D47	47	3	2075 x 620 x 100	620 x 820 x 120	2135 x 620 x 250
IC60W100D18	18	3	780 x 750 x 100	620 x 1020 x 120	840 x 620 x 250
IC60W100D22	22	3	960 x 750 x 100	620 x 1020 x 120	1020 x 620 x 250
IC60W100D27	27	3	1180 x 750 x 100	620 x 1020 x 120	1240 x 620 x 250
IC60W100D32	32	3	1410 x 750 x 100	620 x 1020 x 120	1470 x 620 x 250
IC60W100D37	37	3	1630 x 750 x 100	620 x 1020 x 120	1690 x 620 x 250
IC60W100D42	42	3	1850 x 750 x 100	620 x 1020 x 120	1910 x 620 x 250
IC60W100D47	47	3	2075 x 750 x 100	620 x 1020 x 120	2135 x 620 x 250

Color Choices

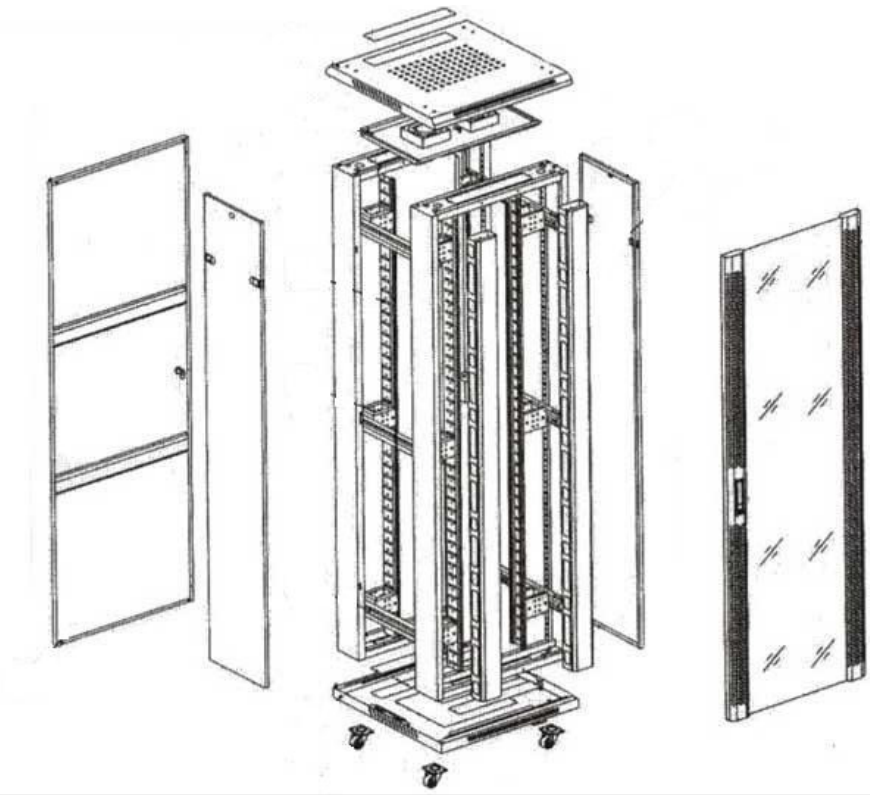
RAL 7035

RAL 7036

RAL 9005

Elite Series
Server Cabinet

Explode View



ORDERING INFORMATION

Elite Series Server Cabinet, Width = 800 mm, Depth = 800, 1000 mm

Part No.	Rack Units U=44.45(mm)	Inside Dimension ((w x d x h) (mm)	Outside Dimension (w x d x h) ((mm)	Volume (CBM)	Net Wt. (Kg)	Gross Wt. (Kg)
IC80W80D18	18	800 x 800 x 988	820 x 820 x 1010	0.679	58.61	62.61
IC80W80D22	22	800 x 800 x 1166	820 x 820 x 1190	0.801	65.32	69.72
IC80W80D27	27	800 x 800 x 1388	820 x 820 x 1410	0.891	77.50	82.00
IC80W80D32	32	800 x 800 x 1610	820 x 820 x 1630	1.096	76.12	81.46
IC80W80D37	37	800 x 800 x 1833	820 x 820 x 1850	1.243	84.07	89.89
IC80W80D42	42	800 x 800 x 2055	820 x 820 x 2080	1.398	92.90	99.08
IC80W80D47	47	800 x 800 x 2277	820 x 820 x 2290	1.539	97.40	104.20
IC80W100D18	18	800 x 1000 x 988	820 x 1020 x 1010	0.844	67.92	72.42
IC80W100D22	22	800 x 1000 x 1166	820 x 1020 x 1190	0.995	75.65	80.65
IC80W100D27	27	800 x 1000 x 1388	820 x 1020 x 1410	1.179	82.44	87.84
IC80W100D32	32	800 x 1000 x 1610	820 x 1020 x 1630	1.363	89.24	95.24
IC80W100D37	37	800 x 1000 x 1833	820 x 1020 x 1850	1.547	96.48	103.00
IC80W100D42	42	800 x 1000 x 2055	820 x 1020 x 2080	1.739	107.31	114.31
IC80W100D47	47	800 x 1000 x 2277	820 x 1020 x 2290	1.915	111.20	118.80

Shipping Information Width = 800 mm, Depth = 800, 1000 mm

Part No.	Rack Units	No of Packages	Package 1	Package 2	Package 3
IC80W80D18	18	3	780 x 820 x 100	820 x 820 x 120	840 x 820 x 250
IC80W80D22	22	3	960 x 820 x 100	820 x 820 x 120	1020 x 820 x 250
IC80W80D27	27	3	1180 x 820 x 100	820 x 820 x 120	1240 x 820 x 250
IC80W80D32	32	3	1410 x 820 x 100	820 x 820 x 120	1470 x 820 x 250
IC80W80D37	37	3	1630 x 820 x 100	820 x 820 x 120	1690 x 820 x 250
IC80W80D42	42	3	1850 x 820 x 100	820 x 820 x 120	1910 x 820 x 250
IC80W80D47	47	3	2075 x 820 x 100	820 x 820 x 120	2135 x 820 x 250
IC80W100D18	18	3	780 x 1020 x 100	820 x 1020 x 120	840 x 820 x 250
IC80W100D22	22	3	960 x 1020 x 100	820 x 1020 x 120	1020 x 820 x 250
IC80W100D27	27	3	1180 x 1020 x 100	820 x 1020 x 120	1240 x 820 x 250
IC80W100D32	32	3	1410 x 1020 x 100	820 x 1020 x 120	1470 x 820 x 250
IC80W100D37	37	3	1630 x 1020 x 100	820 x 1020 x 120	1690 x 820 x 250
IC80W100D42	42	3	1850 x 1020 x 100	820 x 1020 x 120	1910 x 820 x 250
IC80W100D47	47	3	2075 x 1020 x 100	820 x 1020 x 120	2135 x 820 x 250

Color Choices

RAL 7035

RAL 7036

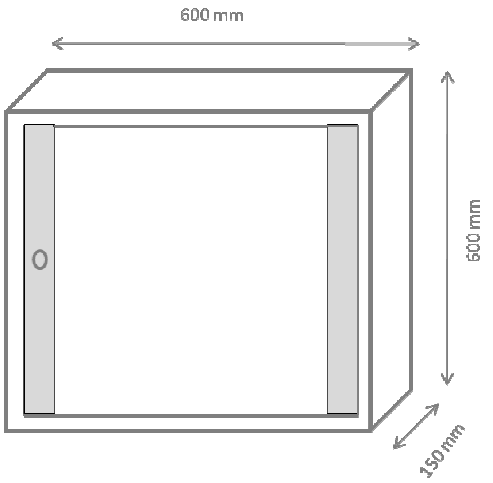
RAL 9005

Elite Series
FTTX ONU Cabinet

Infinique's Elite Series FTTX ONU cabinets are adjustable 19" wall mount, designed for both residential and commercial applications.

FTTx ONU cabinets are available in standard heights of 12u, Widths: 600 mm Depths: 150, 300 mm.

- Flush mounted on wall
- Adjustable 19" mount
- Mechanical open/close lock
- Inner mount plate with grid mount
- Top and Bottom Panel Cable Entry
- Ventilation holes on front and top panel
- Front Door Turning Angle over 180°
- Cabinet can be fitted with 1U Patch Panel, Cable Manager, Power Distribution Unit (optional)



MATERIAL SPECIFICATIONS

SPCC Cold Rolled Steel
Thickness: Mounting Profile - 0.06" (1.5 mm), Others - 0.05" (1.2 mm)
Front Door: 5 mm toughened glass door / SPCC
Protection Degree: IP20
Surface Finish: Degreasing, Pickling, Phosphoric, Powder Coated

STANDARDS/COMPLIANCE

ANSI/EIA RS-310-D
DIN41494, Part 1
IEC297-2
DIN41494, Part 7

ORDERING INFORMATION

Elite Series FTTX ONU Cabinets

Part No.	Rack Units U=44.45(mm)	Inside Dimension ((w x d x h) (mm)	Outside Dimension (w x d x h) ((mm)	Volume (CBM)
IC60W15D12	12U	600 x 150 x 600	670 x 220 x 670	0.054
IC60W30D12	12U	600 x 300 x 600	670 x 370 x 670	0.108

Color Choices

RAL 7035
RAL 7036
RAL 9005

infinique

Infinique Canada
Corporate Headquarters
Tel: 1 866 516 1023

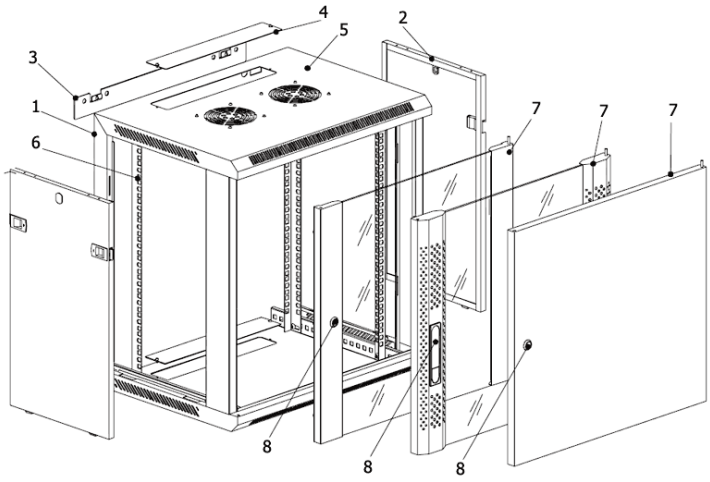
Infinique EMEA FZC
EMEA Region
Tel:971-6-5579447

Elite Series
Single Section Cabinet

Infinique's Elite Series Single Section cabinets are adjustable 19" wall mount, designed for both residential and commercial applications.

Single Section cabinets are available in standard heights of 4u, 6u, 9u, 12u, 15u and 18u, with width of 450.

- Rugged Welded Frame provides reliable structure
- Wall Mounting or Standing of 19" Installation
- Adjustable feet and castors (optional)
- Front door turning angle 180 degrees
- Removable Side Panels, Side Locks Optional
- Top and Bottom Panel Cable Entry
- Fans, Ø 4.7" (120 mm)
- Front Door Turning Angle over 180°



1. Frame, 2. Side Panel, 3. Mounting Panel, 4. Cable Entry Cover, 5. Fan Cover, 6. 19" Mounting Profile, 7. Front Door, 8. Lock

MATERIAL SPECIFICATIONS

SPCC Cold Rolled Steel
Thickness: Mounting Profile - 0.06" (1.5 mm), Others - 0.05" (1.2 mm)
Protection Degree: IP20
Loading Capacity: 130 lbs (60 kg)
Surface Finish: Degreasing, Pickling, Phosphoric, Powder Coated

STANDARDS/COMPLIANCE

ANSI/EIA RS-310-D
DIN41494, Part 1
IEC297-2
DIN41494, Part 7

ORDERING INFORMATION
Elite Series Single Section Cabinet

Part No.	Rack Units (U)	Inside Dimensions (w x d x h) (mm)	Outside Dimension (w x d x h) (mm)	Volume (CBM)	Net Wt. Kg.	Gross Wt. Kg.
IC60W45D4	4	600 x 450 x 278	670 x 520 x 310	0.0903	11.68	13.18
IC60W45D6	6	600 x 450 x 368	670 x 520 x 400	0.1165	13.24	14.84
IC60W45D9	9	600 x 450 x 501	670 x 520 x 530	0.1544	15.58	17.38
IC60W45D12	12	600 x 450 x 635	670 x 520 x 660	0.1923	17.93	19.95
IC60W45D15	15	600 x 450 x 769	670 x 520 x 800	0.2331	20.27	22.50
IC60W45D18	18	600 x 450 x 901	670 x 520 x 930	0.2710	22.61	25.12

Color Choices

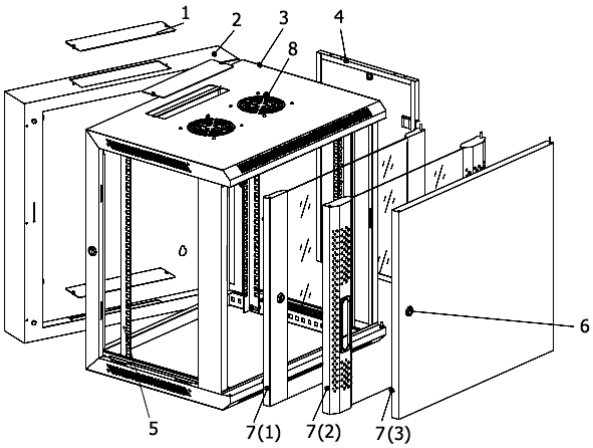
RAL 7035
RAL 7036
RAL 9005

Elite Series
Double Section Cabinet

Infinique's Elite Series Double Section Cabinets are designed for applications that require the highest quality and most advanced features. These cabinets provide quality, protection and security for your equipment.

Double Section cabinets are available in standard heights, of 4u, 6u, 9u, 12u, 15u and 18u and width of 550 mm.

- Complies to 19" Industry Standards
- Front and Rear Welded Frame Structure
- Rear Door Operation and Maintenance
- Top and Bottom Panel Cable Entry
- Easily Removable Side Panels
- Optional Side Locks
- Fans Ø 4.7 (120 mm) (optional)
- Front Door Turning Angle Over 180°
- Rear Door Turning Angle Over 90°



1. Cable Entry Cover, 2. Back Panel, 3. Frame, 4. Side Panel, 5. 19" Mounting Profile
6. Lock, 7. Front Door, 8. Fan cover

MATERIAL SPECIFICATIONS

SPCC Cold Rolled Steel
Thickness: Mounting Profile - 0.06" (1.5 mm), Others - 0.05" (1.2 mm)
Protection Degree: IP20
Loading Capacity: 130 lbs (60 kg)
Surface Finish: Degreasing, Pickling, Phosphoric, Powder Coated

STANDARDS/COMPLIANCE

ANSI/EIA RS-310-D
DIN41494, Part 1
IEC297-2
DIN41494, Part 7

ORDERING INFORMATION
Elite Series Double Section Cabinet

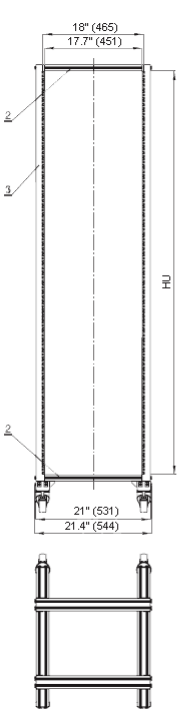
Part No.	Rack Units (U)	Inside Dimension (w x d x h) (mm)	Outside Dimension (w x d x h) (mm)	Volume (CBM)	Net Wt. Kg.	Gross Wt. Kg.
IC60W55D4	4U	600 x 550 x 278	670 x 620 x 310	0.1095	16.68	18.20
IC60W55D6	6U	600 x 550 x 368	670 x 620 x 400	0.1413	19.20	21.00
IC60W55D9	9U	600 x 550 x 501	670 x 620 x 530	0.1873	22.60	24.60
IC60W55D12	12U	600 x 550 x 635	670 x 620 x 660	0.2332	25.90	28.10
IC60W55D15	15U	600 x 550 x 769	670 x 620 x 800	0.2827	29.50	31.90
IC60W55D18	18U	600 x 550 x 901	670 x 620 x 930	0.3286	32.60	35.30

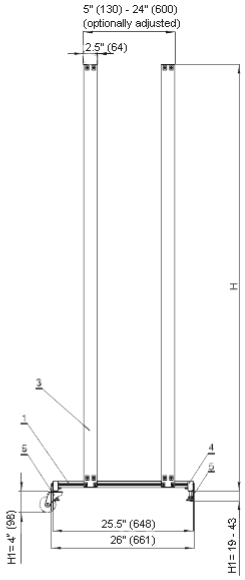
Color Choices

RAL 7035
RAL 7036
RAL 9005

Econo Series
Open Rack System

Infinique's Econo Series Open Rack System combines 19 inch open rack with cable management accessories to provide a complete cable management solution. Ideal for all size installations, the rack features fully usable capacities of 24,36,42 and 45 U. Intended for installation of equipment which does not require full housing, the Econo Series Open Racks comes in both single 19" frame and double 19" frame. The position of the 19" frame can be adjusted in either type of rack. Made with a modular construction using horizontal aluminum profiles and vertical steel posts, these Open Racks are set on levelling feet. Various supplementary accessories offered for data and telecom cabinets are also available for the racks – castors, shelves, drawers, power distribution units etc.





MATERIAL SPECIFICATIONS

Pole: SPCC Cold Rolled Steel 1.5mm
Plinth: SPCC Cold Rolled Steel 2.0mm
Horizontal Profile: Aluminum 60x30 mm (2.36" x 1.18").
Protection Degree: IP20
Loading Capacity: 150 kg
Surface Finish: Degreasing, Pickling, Phosphoric, Powder Coated

STANDARDS/COMPLIANCE

ANSI/EIA RS-310-D
DIN41494, Part 1
IEC297-2
DIN41494, Part 7

ORDERING INFORMATION
Econo Series Open Rack System

Part No.	Rack Units (U)	Outside Height (mm)	No of Frames	Dimension (w x d x h) (mm)
IC67W15D24	24	1177	1	670 x 150 x 1177
IC67W15D36	36	1709	1	670 x 150 x 1709
IC67W15D42	42	1975	1	670 x 150 x 1975
IC67W15D45	45	2109	1	670 x 150 x 2109
IC2x67W15D24	24	1177	2	670 x 150 x 1177
IC2X67W15D36	36	1709	2	670 x 150 x 1709
IC2x67W15D42	42	1975	2	670 x 150 x 1975
IC2x67W15D45	45	2109	2	670 x 150 x 2109

Color Choices

RAL 7035

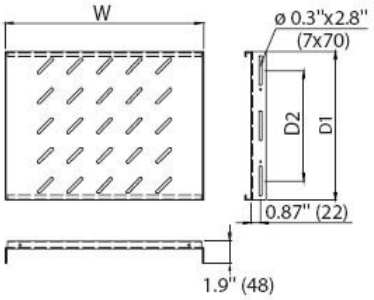
RAL 7036

RAL 9005

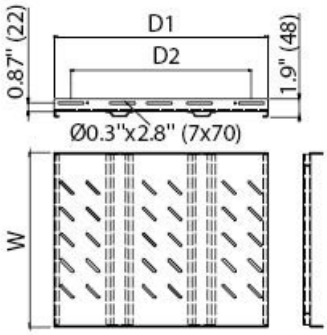
19” Rack Mountable Shelves

Infinique’s 19” Rack Mountable Shelves are available in various configurations. Shelves types include fixed, heavy duty fixed, sliding, cantilever, deep cantilever, in different sizes based on the applications.

IFS47W26D Fixed Shelf



IFSH47W26D Heavy Duty Fixed Shelf



MATERIAL SPECIFICATIONS

SPCC Cold Rolled Steel 1.2mm
Protection Degree: IP20
Loading Capacity: 60 kg
Surface Finish: Degreasing, Pickling, Phosphoric, Powder Coated

STANDARDS/COMPLIANCE

ANSI/EIA RS-310-D
DIN41494, Part 1
IEC297-2
DIN41494, Part 7

ORDERING INFORMATION
Fixed Shelf

Part No.	Description	Depth (mm)	Dimension (w x d1 x d2) (mm)	Application
IFS47W26D	Fixed Shelf	260	470 x 260 x 227	19” installation for 450 mm deep cabinets
IFS47W35D	Fixed Shelf	350	470 x 350 x 260	19” installation for 600 mm deep cabinets
IFS47W55D	Fixed Shelf	550	470 x 550 x 460	19” installation for 800 mm deep cabinets
IFS47W71D	Fixed Shelf	710	470 x 710 x 620	19” installation for 1000 mm deep cabinets
IFS47W95D	Fixed Shelf	950	470 x 950 x 860	19” installation for 1200 mm deep cabinets
IFSH47W35D	Heavy Duty Fixed Shelf	350	470 x 350 x 260	19” installation for 600 mm deep cabinets
IFSH47W40D	Heavy Duty Fixed Shelf	400	470 x 400 x 310	19” installation for 600 mm deep cabinets
IFSH47W45D	Heavy Duty Fixed Shelf	450	470 x 450 x 360	19” installation for 600 mm deep cabinets
IFSH47W55D	Heavy Duty Fixed Shelf	550	470 x 550 x 460	19” installation for 800 mm deep cabinets
IFSH47W65D	Heavy Duty Fixed Shelf	650	470 x 650 x 460	19” installation for 800 mm deep cabinets
IFSH47W71D	Heavy Duty Fixed Shelf	710	470 x 710 x 620	19” installation for 1000 mm deep cabinets
IFSH47W95D	Heavy Duty Fixed Shelf	950	470 x 950 x 860	19” installation for 1200 mm deep cabinets

Color Choices

RAL 7035

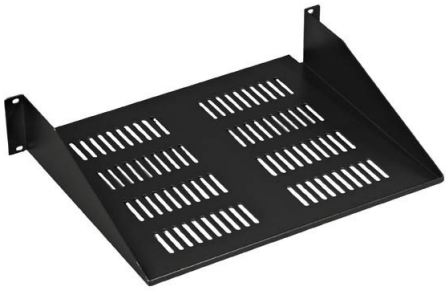
RAL 7036

RAL 9005

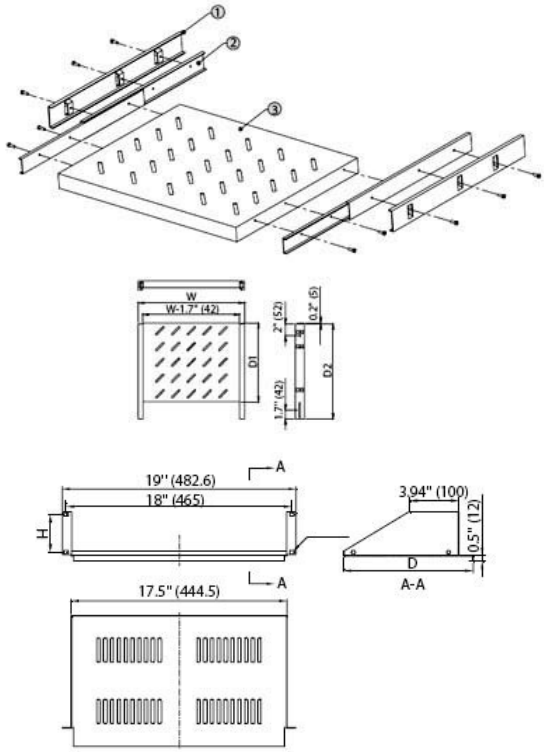
19” Rack Mountable Shelves

Infinique’s 19” Rack Mountable Shelves are available in various configurations. Shelves types include fixed, heavy duty fixed, sliding, cantilever, deep cantilever, in different sizes based on the applications.

IFSS47W35D Sliding Shelf



IFCS26D1U Deep Cantilever Shellf



MATERIAL SPECIFICATIONS

SPCC Cold Rolled Steel 1.2mm
Protection Degree: IP20
Sliding Shelf Loading Capacity: 20 kg
Sliding Shelf Adjustable Length: 210mm
Surface Finish: Degreasing, Pickling, Phosphoric, Powder Coated

STANDARDS/COMPLIANCE

ANSI/EIA RS-310-D
DIN41494, Part 1
IEC297-2
DIN41494, Part 7

ORDERING INFORMATION

Part No.	Description	Depth (mm)	Dimension (w x d1 x d2) (mm)	Application
IFSS47W35D	Sliding Shelf	350	470 x 350 x 380	19” installation for 600 mm deep cabinets
IFSS47W40D	Sliding Shelf	400	470 x 400 x 430	19” installation for 600 mm deep cabinets
IFSS47W45D	Sliding Shelf	450	470 x 450 x 480	19” installation for 600 mm deep cabinets
IFSS47W55D	Sliding Shelf	550	470 x 550 x 580	19” installation for 800 mm deep cabinets
IFSS47W60D	Sliding Shelf	600	470 x 600 x 630	19” installation for 800 mm deep cabinets
IFSS47W65D	Sliding Shelf	650	470 x 650 x 680	19” installation for 800 mm deep cabinets
IFSS47W71D	Sliding Shelf	710	470 x 710 x 740	19” installation for 1000 mm deep cabinets
IFSS47W95D	Sliding Shelf	950	470 x 950 x 980	19” installation for 1200 mm deep cabinets

Part No.	Description	Depth (mm)	Height (mm)	Thickness (mm)
IFCS26D1U	Deep Cantilever Shelf 1U	267	31.8	1.5
IFCS38D1U	Deep Cantilever Shelf 1U	381	31.8	1.5
IFCS26D2U	Deep Cantilever Shelf 2U	267	76.2	1.5
IFCS38D2U	Deep Cantilever Shelf 2U	381	76.2	1.5

Color Choices

RAL 7035
RAL 7036
RAL 9005

Cable Management Panels

Blanking Panel
SPCC Cold Rolled Steel Thickness 1.2 mm
Degreasing, phosphoric, powder coated
Size Availability in1U, 2U and 3U

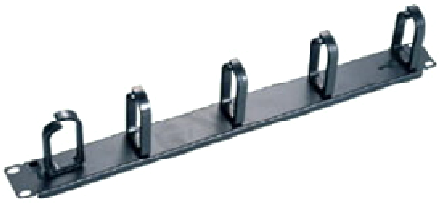
Part Number: INBPXU
Size: Replace X with 1, 2, or 3

Brush Panel
SPCC Cold Rolled Steel Thickness 1.2 mm
Degreasing, phosphoric, powder coated
Size Availability in 1U

Part Number: INMPB1U

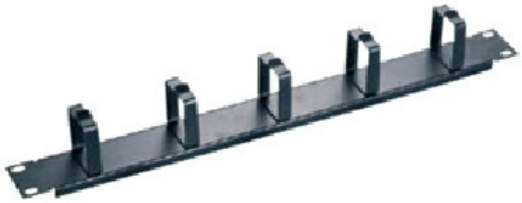
Metal Finger Duct Organizer
SPCC Cold Rolled Steel Thickness 1.2 mm
Degreasing, phosphoric, powder coated
Size Availability in1U, 2U

Part Number: INCMDOXU
Size: Replace X with 1 or 2



Metal Cable Management Rotating Rings
SPCC Cold Rolled Steel Thickness 1.2 mm
Degreasing, phosphoric, powder coated
Size Availability in1U

Part Number: INCM5R1U



Metal Cable Management Fixed Rings
SPCC Cold Rolled Steel Thickness 1.2 mm
Degreasing, phosphoric, powder coated
Size Availability in1U

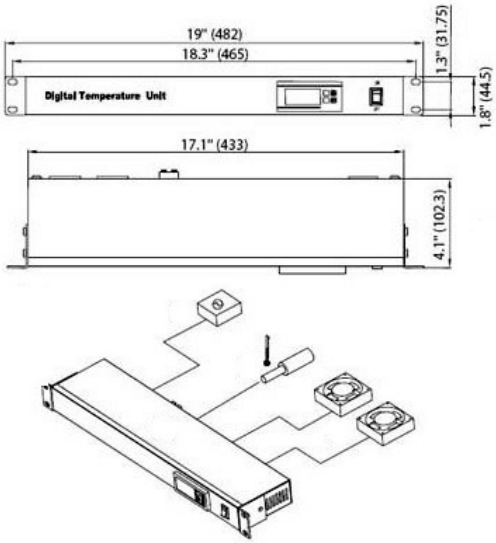
Part Number: INCM5F1U

Unloaded Patch Panel
Easy Identification with Individual Port Marking
Rear Cable Management Bar
SPCC Cold Rolled Steel Thickness 1.2 mm
Degreasing, phosphoric, powder coated
Size Availability: 24 Ports - 1U

Part Number: INPPU24MB

Digital Temperature Control Unit

Infinique's Digital Temperature Unit intelligently adjusts inner cabinet temperature through controlled fan units. Simple structure ensures easy installation and cabling operation with two way output.



ELECTRICAL SPECIFICATIONS

Power Supply	220/110 V AC
Input	10 KΩ
Output	2 Way Output
Consumption	3 W
Accuracy	±1°C
Display	2 Way 8 Section Digital Pipe, Red
Ambient Temperature	-10°C - +70°C
Maintain Temperature	-20°C - +80°C
Relative Humidity	85%
Installation	19"
Protection Degree	IP23

ORDERING INFORMATION
Digital Temperature Control Unit

Part Number:
110 Power Supply: INDTCU110
220 Power Supply: INDTCU220

Delivery includes: Temperature Controller, Cable 1.2 m, Temperature Sensor and Fixing Accessories.

Cooling Fans

Cooling Fan

Nominal Voltage 230 V
Frequency 50 Hz
Nominal Power Rating 15 W
Nominal Current 0,24 A
Speed 2 600 rev./min
Suppression Level 37 dB
Static Pressure 75 Pa
Air Capacity 162 m^3/h
Min Service life 50 000 h
Dimensions 119 x 119 x 38 mm

Part Number: INCFU

Rack Mountable Fan Unit - 2 Fans

SPCC Cold Rolled Steel Thickness 1.2
Input: 220VAC/115VAC
American / British Type Plug and Line
Powder Coated Paint

Part Number: INCFRMU2

Rack Mountable Fan Unit - 3 Fans

SPCC Cold Rolled Steel Thickness 1.2
Input: 220VAC/115VAC
American / British Type Plug and Line
Powder Coated Paint

Part Number: INCFRMU3

Rack Mountable Fan Unit - 4 Fans

SPCC Cold Rolled Steel Thickness 1.2
Input: 220VAC/115VAC
American / British Type Plug and Line
Powder Coated Paint

Part Number: INCFRMU4

Rack Mountable
Power Distribution Unit

Infinique offers an extensive range of professional grade power distribution units designed specifically for the 19" electronic enclosure markets. Offered with a comprehensive range of socket choice to suit wall mounting or floor standing cabinets. Designed with robust housing, illuminated and fully shrouded switch.

Rack Mountable PDU - NA

Ergonomic 19" Standard PDU
American Type Outlet
Natural Anodized Aluminum Body
Extremely Compact Solution
Voltage Rating of 125 V/230 V AC
Maximum Current 10A/16A
Socket Availability: 6, 8 Sockets

Part Number:

INPDUNA6 - 6 Sockets
INPDUNA8 - 8 Sockets

Rack Mountable PDU - UK

Ergonomic 19" Standard PDU
UK Type Outlet
Covered Main Switch Control
Voltage Rating of 125 V/230 V AC
Maximum Current 13A
Socket Availability: 6, 8 Sockets

Part Number:

INPDU62M - 6 Sockets
INPDU82M - 8 Sockets

Rack Mountable PDU - German

Ergonomic 19" Standard PDU
German Type Outlet
Extremely Compact Solution
Voltage Rating of 125 V/230 V AC
Maximum Current 10A/16A
Socket Availability: 5 Sockets

Part Number:

INPDUGM5 - 5 Sockets

Grounding Bar

19" Rack Mountable
Nickel Plated Copper

Part Number:

INGB19

Tools

UTP STP Cable Stripper

Sturdy and Compact Built
Strips Round Cat.7, Cat.6A, Cat.6 Cat.5e Cables
Strips UTP / STP Cables
Strips Telephone and Co-axial Cables
Self-regulating stripping method

Part Number:

INCSUSTP1

Fiber Optic Cable Stripper

Ø 125/250 mm

Part Number:

INCSFO1

Crimping Tool RJ45, RJ11

Crimping Tool for RJ45, RJ 11
Stripper strips round 28-22AWG cable
High precision for no fault crimping.
Stripper and cutter integrated.
Universal High performance, Light weight

Part Number:

INCTBT2

Crimping Tool RJ45, RJ12, RJ11

Professional Crimping Tool for RJ45, RJ12, RJ11
Stripper strips round 28-22AWG cable
High precision for no fault crimping.
Stripper and cutter integrated.
Universal High performance, Light weight

Part Number:

INCTAL1

Impact Punch Down Tool Krone / 110 Type

Terminates AWG 28-22 Solid or Stranded Wires
Reversible Blades for terminating without cutting

Part Number:

INPTK110

Tools

Multi-Pair Punch Down Tool

Available with either 5-pair or 4-pair heads
Terminates AWG 28-22 solid or stranded wires
Reversible blades for terminating without cutting
Designed to work with CAT 6 AWG 23 cable

Part Number:

INCTMP4 - 4 Pairs Multi-Pair Termination Tool
INCTMP5 - 5 Pairs Multi-Pair Termination Tool

Visual Fiber Optic Fault Locator

Works with single mode, multi mode fiber type
Wave length: 650 nm
All Connectors with Ø 2.5 mm (0.1") ferrule
Visibility Range up to 3 km
Dimensions Ø 13.5x174 mm
CW and 3 Hz pulsed signal Output Mode
Power: 0.5 mW
Power source: 2xAAA 1.5 V Alkaline batteries
Operation Temperature: 0-50°C (32-122°F)
Storage Temperature: 0-70°C (32-158°F)

Part Number:

INFOFL

INTLCBT Cable Tester UTP/STP, LCD, measures cable length

Cable Tester UTP/STP

Test UTP/FTP, Coaxial and Telephone Cable
Tests Cable Length: UTP/FTP cable < 300 m,
Co-axial cable < 500 m, Telephone cable < 300
Effective Visual LCD Display 35 x 17 mm
Tester Ports: Main RJ45 master port (M), Loop-back RJ45 port (L) and far-end recognizer RJ45 port (R)
Detects: Location of Wiring Sequence, Open Circuit, Short Circuit, Dislocation
Location of Cable Link Route: Maximum 8 far-end identification recognizers are used in test and location of cable links (ID1 - ID8)
Overall Dimension: 123.7x66.5x24.5 mm
Battery: 4 x AAA 1.5V dry battery with power consumption 8 mA
Working Temperature: -10°C to +40°C

Part Number:

INTLCBT

Glossary

Glossary and Technical Information.

Section Contents

Glossary

Alien Crosstalk: Noise or interference caused by electromagnetic coupling from one cable to another cable, expressed in decibels.

Attenuation: See Insertion Loss.

Attenuation to Crosstalk Ratio (ACR): The difference between insertion loss and crosstalk measured in decibels.

Attenuation to Crosstalk Ratio, Far-end (ACR-F): Crosstalk measured at the opposite end from which the disturbing signal is transmitted, normalized by the insertion loss of the cable or cabling.

Backbone Cabling: Cable and connecting hardware that comprise the main and intermediate cross-connects, as well as cable runs that extend between telecommunications rooms, equipment rooms and entrance facilities.

Balance: An indication of signal voltage equality and phase polarity on a conductor pair. Perfect balance occurs when the signals across a twisted pair are equal in magnitude and opposite in phase with respect to ground.

Balanced Signal Transmission: Two voltages, equal and opposite in phase with respect to each other, across the conductors of a twisted-pair (commonly referred to as tip and ring).

Balun: An impedance matching transformer used to convert unbalanced signals to balanced signals and vice versa.

Bandwidth: A range of frequencies, usually the difference between the upper and lower limits of the range, typically expressed in megahertz (MHz). It may also be used to describe the information-carrying capacity of a medium. Optical fiber bandwidth is specified in megahertz kilometers (MHzkm).

Bonding: The permanent joining of metallic parts to form an electrically conductive path that will assure electrical continuity and the capacity to conduct safely any current likely to be imposed on it.

Bridged Tap: The multiple appearances of the same cable pair or fiber at several distribution points. Also known as parallel connections.

Bridging: A means of providing through connections between conductors or pairs that are terminated on connecting blocks. These through connections are commonly provided by means of individual metallic "bridging" clips or multiple "bridging" clips that are housed in a plastic insulator.

Building Distributor (BD): The international term for intermediate crossconnect. A distributor in which the building backbone cable (s) terminates and at which connections to the campus backbone cable(s) may be made.

Bundled Cable: An assembly of two or more cables continuously bound together to form a single unit prior to installation (sometimes referred to as loomed, speed-wrap or whip cable constructions).

Cabling: A combination of cables, wire, cords and connecting hardware used in the telecommunications infrastructure.

Campus Backbone: Cabling between buildings that share telecommunications facilities.

Campus Distributor (CD): The international term for main cross-connect. The distributor from which the campus backbone cable emanates.

Category:

1. ANSI/TIA/568-C series of documents, the North American standards for cabling describes mechanical properties and transmission characteristics of balanced cabling components and assigns a unique number classification (category 3, category 5e, category 6 and category 6A).

2. ISO/IEC 11801 2nd edition, the international standard for cabling and local standardization documents define cabling component categories based on transmission performance parameters such as attenuation and NEXT loss, over a specified frequency range. Component categories category 5, category 6, category 6A, category 7 and category 7A.

Channel: The end-to-end transmission path connecting any two points at which application specific equipment is connected. Equipment and work area cables are included in the channel.

Classification: Application classes for cabling have been identified for the purpose of the ISO/IEC 11801 standard;

– Class A: cabling is characterized up to 100 kHz

– Class B: cabling is characterized up to 1 MHz

– Class C: cabling is characterized up to 16 MHz

– Class D: cabling is characterized up to 100 MHz

– Class E: cabling is characterized up to 250 MHz

– Class EA: cabling is characterized up to 500 MHz

– Class F: cabling is characterized up to 600 MHz

– Class FA: cabling is characterized up to 1000 MHz

– Optical Class: optical fiber links are characterized from 10 MHz and above.

Collapsed Backbone: A centralized network contained in one device. The network is said to be collapsed and made to fit into a box. Individual networks are connected to this central device and can then communicate with one another.

Common Mode Transmission: A transmission scheme where voltages appear equal in magnitude and phase across a conductor pair with respect to ground. May also be referred to as longitudinal mode.

Consolidation Point (CP): A location for interconnection between horizontal cables that extend from building pathways and horizontal cables that extend into work area pathways.

Cross-connect: A facility enabling the termination of cables as well as their interconnection or cross-connection with other cabling or equipment. Also known as a distributor.

Glossary

Cross-connection: A connection scheme between cabling runs, subsystems and equipment using patch cords or jumpers that attach to connecting hardware on each end.

Crosstalk: Noise or interference caused by electromagnetic coupling from one signal path to another. Crosstalk performance is generally expressed in decibels.

Decibel (dB): A standard unit for expressing transmission gain or loss as derived from a ratio of signal voltages or power.

Delay Skew: The difference in propagation delay between the fastest and slowest pair in a cable or cabling system.

Demarcation Point (DP): A point at which two services may interface and identify the division of responsibility.

Differential Mode Transmission: A transmission scheme where voltages appear equal in magnitude and opposite in phase across a twisted-pair with respect to ground. May also be referred to as balanced mode.

Distributor: The term used for the functions of a collection of components (e.g. patch panels, patch-cords) used to interconnect cables.

Electromagnetic Compatibility (EMC): The ability of a system to minimize radiated emissions and maximize immunity from external noise sources.

Electromagnetic Interference (EMI): The interference in signal transmission or reception caused by the radiation of electrical and magnetic fields.

Entrance Facility (EF): An entrance to a building for both public and private network service cables (including antennae), including the entrance point at the building wall and continuing to the entrance room or space. Entrance facilities are often used to house electrical protection equipment and connecting hardware for the transition between outdoor and indoor cable.

Entrance Facility, Telecommunications: An entrance to a building for both public and private network service cables (including antennae) beginning with the entrance point at the building wall and continuing to the entrance room or space.

Entrance Point, Telecommunications: The point of emergence of telecommunications conductors through an exterior wall, a concrete floor slab, or from a rigid metal conduit or intermediate metal conduit.

Equipment Cable: A cable or cable assembly used to connect telecommunications equipment to horizontal or backbone cabling.

Equipment Room (ER): A centralized space for telecommunications equipment that serves the occupants of the building or multiple buildings in a campus environment. An equipment room is considered distinct from a telecommunications room because it is considered to be a building or campus serving (as opposed to floor serving) facility and because of the nature or complexity of the equipment that it contains.

Equipment Room, Telecommunications: A centralized space for telecommunications equipment that serves the occupants of the building. An equipment room is considered distinct from the telecommunications room because of the nature and complexity of the equipment it houses.

Far-end Crosstalk (FEXT): Crosstalk measured at the opposite end from which the disturbing signal is transmitted.

Fiber Optic Transmission: A communications scheme whereby electrical data is converted to light energy and transmitted through optical fibers.

Floor Distributor (FD): The international term for horizontal cross-connect. The distributor used to connect between the horizontal cable and other cabling subsystems or equipment.

Fully Shielded twisted-pair (S/FTP): A balanced twisted-pair cable containing balanced twisted-pair conductors that are individually foil shielded, surrounded by an overall metallic braid, and bound in a single cable sheath.

Ground: A conducting connection, whether intentional or accidental, between an electrical circuit (telecommunications) or equipment and earth, or to some conducting body that serves in place of the earth.

Hertz (Hz): A measure of frequency as defined in units of cycles per second.

Horizontal Cabling: The cabling between and including the telecommunications outlet and the horizontal cross-connect.

Horizontal Cross-connect (HC): A cross-connect of horizontal cabling to other cabling, e.g., horizontal, backbone, or equipment.

Hybrid Cable: An assembly of two or more cables, of the same or different types or categories, covered by one overall sheath.

Insertion loss

1. The loss resulting from the insertion of a device in a transmission line, expressed as the reciprocal of the ratio of the signal power delivered to that part of the line following the device to the signal power delivered to that same part before insertion.

2. In an optical fiber system, the loss of optical power caused by inserting a component, such as a connector, coupler or splice, into a previously continuous optical path.

Insulation Displacement Connection (IDC): A wire connection device that penetrates the insulation of a copper wire when it is being inserted (punched down) into a metal contact, allowing the electrical connection to be made.

Inter Building Backbone: Telecommunications cable(s) that are part of the campus subsystem that connect one building to another.

Interconnection: A connection scheme that provides direct access to the cabling infrastructure and the ability to make cabling system changes using equipment cords.

Glossary

Intermediate Cross-Connect (IC): The connection point between a backbone cable that extends from the main cross-connect (first-level backbone) and the backbone cable from the horizontal cross-connect (second-level backbone).

Intra Building Backbone: Telecommunications cable(s) that are part of the building subsystem that connect one equipment room to another.

Jumper Wire: An assembly of twisted-pairs without connectors on either end used to join telecommunications links at a cross-connect.

Laser Optimized: A multimode optical fiber with a refractive index profile optimized for use with laser light sources.

Link: An end-to-end transmission path provided by the cabling infrastructure. Cabling links include all cables and connecting hardware that comprise the horizontal or backbone subsystems. Equipment and work area cables are not included as part of a link.

Local Area Network (LAN): A geographically limited data communications system for a specific user group consisting of a group of interconnected com puters, sharing applications, data and peripheral devices such as printers and CD-ROM drives intended for the local transport of data, video, and voice.

Longitudinal Conversion Loss (LCL): A measure (in dB) of the differential voltage induced on a conductor pair as a result of subjecting that pair to longitudinal voltage. LCL is considered to be a measure of circuit balance.

Main Cross-connect (MC): A cross-connect for first level backbone cables, entrance cables, and equipment cables.

Modular Jack: A telecommunications outlet/connector for wire or cords as defined in the FCC Part 68 Subpart F. Modular jacks can have 4, 6 or 8 contact positions, but not all the positions need be equipped with contacts.

Modular Plug: A telecommunications connector for wire or cords as defined in the FCC Part 68 Subpart F. Modular plugs can have 4, 6 or 8 contact positions, but not all the positions need be equipped with contacts.

Multimedia:

1. An application that communicates to more than one of the human sensory receptors.

2. Applications that communicate information by more than one means or cabling media.

Multimode Optical Fiber: An optical fiber that will allow multiple modes of light to propagate. The fiber may be either a graded-index or step-index fiber. Multimode optical fibers have a much larger core than singlemode fibers. See also Optical Fiber Cable.

Multi-user Telecommunications Outlet Assembly (MuTOA): A grouping in one location of several telecommunications/outlet connectors.

Nanosecond (ns): One billionth of a second (10-9 seconds).

Near-end Crosstalk (NEXT Loss): The undesired coupling of a signal from one pair of wires to another. Signal distortion as a result of signal coupling from one pair to another at various frequencies.

Network Demarcation Point: The point of interconnection between the local exchange carrier's telecommunication facilities and the telecommunications systems wiring and equipment the end user's facility. This point shall be located on the subscriber side of the telephone company's protector or the equivalent thereof in cases where a protector is not required.

Open Office Cabling: The cabling that distributes from the telecommunications closet to the open office area utilizing a consolidation point or multiuser telecommunications outlet assembly.

Outlet, Telecommunications: A fixed connecting device where the horizontal cable terminates. The telecommunications outlet provides the interface to the work area cabling. Sometimes referred to as a telecommunications outlet/connector.

Outlet/Connector, Telecommunications: A connecting device in the work area on which horizontal cable terminates.

Patch Cord: A length of cable with connectors on one or both ends used to join telecommunications links at a cross-connect.

Patch Panel: Connecting hardware that typically provides means to connect horizontal or backbone cables to an arrangement of fixed connectors that may be accessed using patch cords or equipment cords to form cross-connections or interconnections.

Pathway: A facility (i.e., conduit) for the placement and protection of telecommunications cables. Same as raceway or ducting.

Plenum: A compartment or chamber to which one or more air ducts are connected and that forms part of the air distribution system.

Glossary

Private Branch Exchange (PBX): A private switching system usually serving an organization, such as a business, located on the customer's premises. It switches calls both inside a building or premises and outside to the telephone network, and can sometimes provide access to a computer from a data terminal.

Propagation Delay: The amount of time that passes between when a signal is transmitted and when it is received at the opposite end of a cable or cabling.

Punch Down: A method for securing wire to a quick clip in which the insulated wire is placed in the terminal groove and pushed down with a special tool. As the wire is seated, the terminal displaces the wire insulation to make an electrical connection. The punch down operation may also trim the wire as it terminates. Also called cut down.

Return Loss: Noise or interference caused by impedance discontinuities along the transmission line at various frequencies. Return loss is expressed in decibels.

Shielded twisted-pair (F/UTP): A balanced twisted-pair cable surrounded by foil (screen) and bound in a single cable sheath.

Singlemode Optical Fiber: An optical fiber that will allow only one mode of light to propagate; this fiber is typically a step-index fiber.

Small Form Factor: An optical fiber connector and adapter that provide for two strands of fiber in a surface area similar to an unshielded twisted-pair (RJ-style) plug and socket.

Star Topology:

1. A method of cabling each telecommunications outlet/ connector directly to a cross-connect in a horizontal cabling subsystem.

2. A method of cabling each cross-connect (HC and IC) to the maincross-connect (MC) in a backbone cabling subsystem.

Surge: A rapid rise in current or voltage, usually followed by a fall back to a normal level. Also referred to as transient.

Telecommunications: Any transmission, emission or reception of signs, signals, writings, images, sounds or information of any nature by cable, radio, visual, optical or other electromagnetic systems.

Telecommunications Room (TR): An enclosed space for housing telecommunications equipment, cable terminations and cross-connect cabling used to serve work areas located on the same floor. The telecommunications closet is the typical location of the horizontal cross-connect and is considered distinct from an equipment room because it is considered to be a floor serving (as opposed to building or campus serving) facility.

Telecommunications Industry Association (TIA): An organization that sets standards for cabling, pathways, spaces, grounding, bonding, administration, field testing and other aspects of the telecommunications industry.

Topology: The physical or logical layout of links and nodes in a network. These include star, ring and bus configurations.

Transfer Impedance: A measure (in Ω) of shield effectiveness.

Trunk: A communication line between two switching systems. The term "switching systems" typically includes equipment in a central office (the telephone company) and PBXs. A tie trunk connects PBXs. Central office trunks connect a PBX to the switching system at the central office.

Unshielded Twisted-Pair (UTP): A balanced twisted-pair cable bound in a single cable sheath.

Work Area: The area where horizontal cabling is connected to the work area equipment by means of a telecommunication outlet. A station/desk which is served by a telecommunications outlet. Sometimes referred to as a work station.

Work Area Cable: A cable assembly used to connect equipment to the telecommunications outlet in the work area. Work area cables are considered to be outside the scope of cabling standards.

AWG Table

American Wire Gauge (AWG), diameters can be calculated by applying the formula D(AWG)=.005·92 (36-AWG)/39) inch for the 00, 000, 0000. The gauge you use -1, -2, -3, which makes more sense mathematically than "double naught." This means that in American wire gauge every 6 gauge decrease gives a doubling of the wire diameter, and every 3 gauge decrease doubles the wire cross sectional area. Similar to dB in signal and power levels. An approximate form of this formula contributed by Mario Rodriguez is D = .460 * (57/64) (awg + 3) or D = .460 * (0.890625) (awg + 3).

AWG	Conductor Diameter Inches	Conductor Diameter mm	Ohms per 1000 ft	Ohms per km	Maximum amps for chassis	Maximum amps for power trans-mission	Maximum frequency for 100°/0 skin depth for solid conductor copper
15	0.0571	1.45034	3.184	10.44352	28	4.7	8250 Hz
16	0.0508	1.29032	4.016	13.17248	22	3.7	ll kHz
17	0.0453	1.15062	5.064	16.60992	19	2.9	13 kHz
18	0.0403	1.02362	6.385	20.9428	16	2.3	17 kHz
19	0.0359	0.91186	8.05\	26.40728	14	1.8	21 kHz
20	0.032	0.8128	10.15	33.292	11	1.5	27 kHz
21	0.0285	0.7239	12.8	41.984	9	1.2	33 kHz
22	0.0254	0.64516	16.14	52.9392	7	0.92	42 kHz
23	0.0226	0.57404	20.36	66.7808	4.7	0.729	53 kHz
24	0.0201	0.5J054	25.67	84.1976	3.5	0.577	68 kHz
25	0.0179	0.45466	32.37	106.1736	2.7	0.457	85 kHz
26	0.0159	0.40386	40.81	133.8568	2.2	0.36\	107 KHz
27	0.0142	0.36068	51.47	168.8216	1.7	0.288	130 kHz
28	0.0126	0.32004	64.9	2\2.872	1.4	0.226	170 kHz
29	0.0113	0.28702	81.83	268.4024	1.2	0.182	210 kHz
30	0.01	0.254	103.2	338.496	0.86	0.142	270 kHz

AWG - Typical Cable Construction Number

AWG	**Cable Category**
AWG 24	Category 5e unscreened data cable (UTP)
AWG 24	Category 5e screened data cable (S/FTP)
AWG 23	Category 6 flexible unscreened cable (UTP, stranded wire)
AWG 23	Category 6 unscreened data cable (UTP)
AWG 23	Category 7 screened data cable (S/FTP)
AWG 22	Category 7 screened data cable (S/FTP)

Testing, Measuring Procedures for Data Cables

Specific Testing and Measuring	Testing Content
Material Features	Tensile strength and stretching of the sheath and insulation. Breaking stretching of the copper wire.
Transmission Characteristics	Attenuation, Impedance, Near End Cross Talk (NEXT), Return Loss.
Environmental Qualities	Burning test for individual cable (fire) and bundle cable (Vertical burn test).
Mechanical and Physical Features	Cold bending test and atmospheric humidity test of the cable, temperature requirements and UV test, pressure sensitivity at high temperatures, shrinking of the insulation, tensile strength and break stretching of the cable jacket after alteration, wrapping of the insulation after alteration.
Insulation Resistance	Resistance between wire, cable and wire screen transmission impedance of the cable.
Transmission Characteristics	All electrical data demanded in the suitable standards. Link and channel measurements.
Test to avoid damage	Repeated cable bending and tensile strength test, wire crushing, cable crushing, shock resistance of the cable
Capacitance	Capacitive coupling, capacitive earth unbalance, mutual capacitance.
DC Resistance	Loop resistance, wire resistance and resistance difference
Voltage Indication	Wire to screen and wire to wire

RoHS Directive, WEEE

The RoHS Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment". This Directive bans the placing on the EU market of new electrical and electronic equipment containing more than agreed levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants.

Directives 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment and 2002/96/EC on waste electrical and electronic equipment are designed to tackle the fast increasing waste stream of electrical and electronic equipment and complements European Union measures on landfill and incineration of waste. Increased recycling of electrical and electronic equipment will limit the total quantity of waste going to final disposal. Producers will be responsible for taking back and recycling electrical and electronic equipment. This will provide incentives to design electrical and electronic equipment in an environmentally more efficient way, which takes waste management aspects fully into account. Consumers will be able to return their equipment free of charge. In order to prevent the generation of hazardous waste, Directive 2002/95/EC requires the substitution of various heavy metals (lead, mercury, cadmium, and hexavalent chromium) and brominated flame retardants (polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE)) in new electrical and electronic equipment put on the market from 1 July 2006.

Standards

ISO/IEC, these are the two main organization's standard applicable world wide. CENELEC is an additional standard from Europe support safety guidelines to the EU and EFTA. Most of the European countries follow the reference standards as European Norm (EN).

International Standards

IEC 61156	Multi conductor and symmetrical pair/ star squad twisted pair for the digital communication transmission
ISO/1EC 11801 :2002	Information technology and application -independent wiring system
IEC 61156-1	Subject basic specification
IEC 61156-2	Frame specification for floor cables
IEC 61156-3	Frame specification for equipment connection cables
IEC 61156-4	Frame specification for distribution cables
IEC 61156-5	Frame specification for data cables up to 600MHz
IEC 61156-6	Frame specification for equipment connection cables up to 600MHz
IEC 61156-7	Frame specification for back bone cables up to 1200MHz

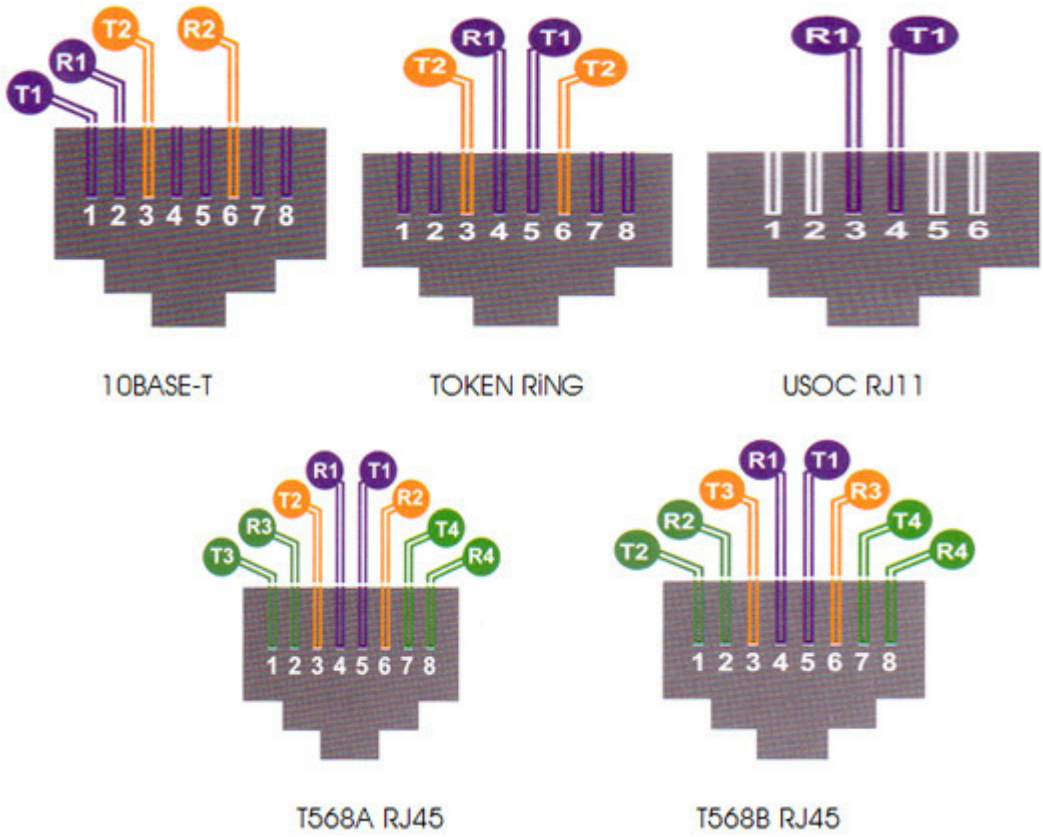
These international documents specify the data cables of the category 3, 5, 6 and 7 for connecting and interconnecting cables, for installation cables and backbone

European Standards

EN S0173-1	Application independent communication cable systems
ENS0288	Multi conductor metallic data and control cables for an analogue and digital transmission
EN S0288-1	Subject basic specifications
EN S0288-2-1	Frame specification for shielded cables for the horizontal and backbone area up to 100MHz (Cat.5)
EN S0288-2-2	Frame specification for shielded equipment and connecting cables up to 100MHz (Cat.5)
EN S0288-3-1	Frame specification for unshielded cables for the horizontal and backbone area up to 100MHz (Cat.5)
EN S0288-3-2	Frame specification for unshielded equipment and connecting cables up to 100MHz (Cat.5)
EN S0288-4- 1	Frame specification for shielded cables for the horizontal and backbone area up to 600MHz (Cat.7)
EN S0288-4-2	Frame specification for shielded equipment and connecting cables up to600MHz (Cat.7)
EN S0288-S-1	Frame specification for shielded cables for the horizontal and backbone area up to 2S0MHz (Cat.6)
EN 50288-5-2	Frame specification for shielded equipment and connecting cables up to 2S0MHz (Cat.6)
EN S0288-6-1	Frame specification for unshielded cables for the horizontal and backbone area up to 2S0MHz (Cat.6)
EN S0288-6-2	Frame specification for unshielded equipment and connecting cables up to 2S0MHz (cat.6)
EN SS022	EMC standards for office surroundings

Jack Pin-Outs Diagram

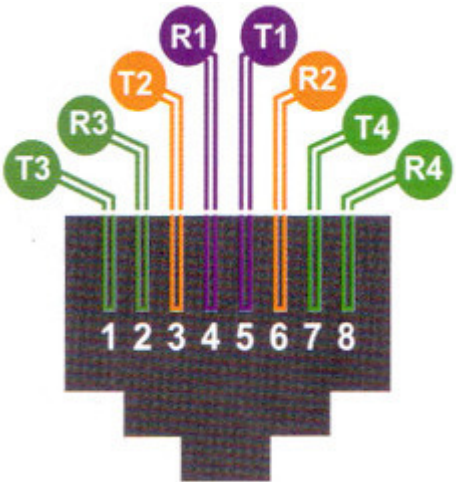
Pair Number	Color Coding	TIP and Ring
1	White/Blue Blue/White	Tip 1 Ring 1
2	White/Orange Orange/White	Tip 2 Ring 2
3	White/Green Green/White	Tip 3 Ring 3
4	White/Brown	Tip 4



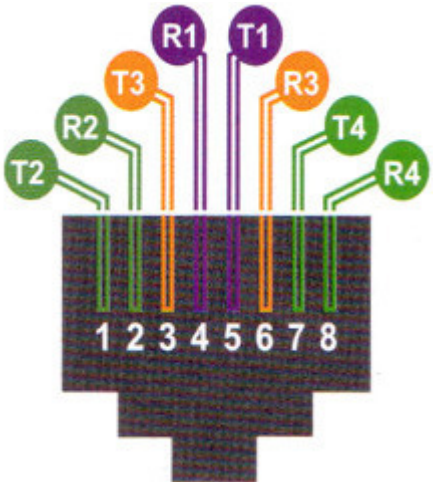
Wiring Standards

T568A and T568B are the two color codes used for wiring eight-position RJ45 modular plugs. Both are allowed under the ANSI TIA/EIA wiring standards. The only difference between the two color codes is that the orange and green pairs are inter-changed. T568A wiring pattern is recognized as the preferred wiring pattern for this standard because it provides backward compatibility to both one pair and two pair USOC wiring schemes.

The T568B standard matches the older AT&T 258A color code and most widely used wiring scheme. It is also permitted by the ANSI TIA/EIA standard, but it provides only a single pair backward compatibility to the USOC wiring scheme. The following diagrams look at the jacks from the front. The wiring at the rear of the jack varies by manufacturer and may not be in the same sequence as the front. However, compliance with the color codes is maintained by routing the connections at the back to the proper sequence at the front of the jack. That is usually done by a small printed-circuit board in the jack assembly. CAT 5e jacks (right) may have a twist inside the jack to reduce crosstalk.



T568A RJ45



T568B RJ45

Cabling Infrastructure

The following chart shows few of our cable solutions used to support for common enterprise applications.

IEEE Standard	Bandwidth	Designation	Distance	Applications	Solution
802.3z	1000Mb/s	1000BASE-SX	220 to 550 meters	Enterprise backbone	Laser optimized Multimode fiber
	1000Mb/s	1000BASE-LX	5 Kilometers	WAN, MAN	Single mode fiber
802.3ab	1000Mb/s	1000BASE-T	100 meters	Server and Enterprise backbone	Category 5e and 6 category 6a
802.3af	10/100/ 1000Mb/s	Power over Ethernet	100 meters	VoIP, WiFi, RFID, IP Security	Midspan PoE
802.3ae	10Gb/s	10GBASE -SR/SW	300 meters	Data Center and Enterprise Backbone Cabling	Laser Optimized Multimode fiber
	10Gb/s	10GBASE -LR/LW	10 Kilometers	WAN,MAN	Single mode fiber
	10Gb/s	10GBASE -ER/EW	40 Kilometers	WAN	Single mode fiber
	10Gb/s	10GBASE-LX-4	300 meters	Data Center and Enterprise Backbone Cabling	Standard Grade Multimode fiber
	10Gb/s	10GBASE-LX-4	10 Kilometers	WAN, MAN	Single mode fiber
802.3an	10Gb/s	10GBASE -T	100meters(Cat.6a) 55meters (Cat.6)	Data Center, R&D computing High Resolution Video, Advanced desktop computing	Category 6a Category 6

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Metric Conversion Chart

English-to-Metric and Metric-to-English

DISTANCE

To convert:	Into:	Multiply by:	To convert:	Into:	Multiply by:
Inches (in.)	Millimeters (mm)	25.4	Millimeters (mm)	Inches (in.)	0.039
	Centimeters (cm)	2.54		Feet (ft.)	0.003
				Meters (m)	0.0254
Feet (ft.)	Centimeters (cm)	30.48	Centimeters (cm)	Inches (in.)	0.394
	Meters (m)	0.3048		Feet (ft.)	0.033
Yards (yd.)	Centimeters (cm)	91.4	Meters (m)	Feet (ft.)	3.281
	Meters (m)	0.914		Yards (yd.)	1.093
Miles (mi.)	Kilometers (km)	1.609	Kilometers (km)	Miles (mi.)	0.621

WEIGHT

To convert:	Into:	Multiply by:	To convert:	Into:	Multiply by:
Ounces (oz.)	Grams (gm)	28.35	Grams (gm)	Ounces (oz.)	0.035
	Kilograms (kg)	0.028		Pounds (lb.)	0.002
Pounds (lb.)	Kilograms (kg)	0.454	Kilograms (kg)	Pounds (lb.)	2.203

FORCE

To convert:	Into:	Multiply by:	To convert:	Into:	Multiply by:
Foot Pounds (lb-ft)	Newton Meters (N-m)	1.36	Newton Meters (N-m)	Foot Pounds (lb-ft)	0.738

TEMPERATURE

To convert:	Into:	Multiply by:	To convert:	Into:	Multiply by:
Fahrenheit (˚F)	Celsius (˚C)	0.56, then subtract 18	Celsius (˚C)	Fahrenheit (˚F)	1.8, then add 32

VOLUME

To convert:	Into:	Multiply by:	To convert:	Into:	Multiply by:
Quarts (qt.)	Liters (L)	0.946	Liters (L)	Quarts (qt.)	1.057
Gallons (gal.)	Liters (L)	3.785		Gallons (gal.)	0.264

Installation Manual

Cable Laying

Always cross at 90 Degree using a bridge and lay data cables in separate channels from power cable

Use suitable equipments that will ensure free rotation of the reel

Open wire tied up with insulating tape between moving equipment and cable sheath

Rewind unused cable and fix the end firmly

Don't ever bend or kink cable too sharply

Cable Pulling

Pull cable directly from the box or drum

Don't exceed 110 Newton's of pulling forces when running cables

Pull the cables to minimize the distance of the run and eliminate large loops

Where bundling is necessary, bundle cables in a neat, orderly fashion, and use hook-and-loop ties

Bend Radius

Follow recommendations for cable bend radius. Cable bend radius should not be less than four times the cable diameter for horizontal copper cable and should not be less than ten times the cable diameter for multi pair optical fiber cables

Patch Panel Termination

Avoid storing reserve loops at the patch panel

Always follow the installation manual

Heat Influence

Do not expose data cables directly to heat sources

Do not use gas burner or similar when using heat shrinking tubing

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Warranty

25 Years Limited Component Warranty

Infinique warrants that all qualified products used in the Certified System are, in normal and proper use:

- free from defects in material and workmanship
- perform in accordance with applicable ISO/IEC11801 specifications in effect at the time of the sale

Infinique will, at their own discretion, repair or replace any product that is found to be defective, or, if repair or replacement is not feasible, refund the purchase price of the defective product. This Warranty does not cover the cost of labour to remedy a warranty claim, and does not cover the additional cost, if any, for any additional labour or products not sold or provided by Infinique, to Authorized Infinique Installers. Infinique reserves the right to inspect the installation site and determine the cause of defect or failure.

Claims made under this warranty must be reported in writing to Infinique within ten (10) business days of the discovered failure. This report must include the complete test results identifying the failure, both in hard and soft copy, and a current schematic of the site. Authorized Infinique Installers will also have to provide any other information regarding the system as requested to facilitate resolution of the claim.

Warranty covers:

- Infinique Category 6A Products
- Infinique Category 6 Products
- Infinique Category 5e Products
- Infinique Fiber Optic Products
- All products designated as part of the Infinique Structured cabling range
- This is a link performance warranty, covering patch panel to outlet

Length of Coverage

This warranty extends for a period of twenty five (25) years from the date of issue.

Limited Liability

This warranty does not cover defects or non-compliance in the design or installation of the cabling system, which may result from failure to comply with proper installation procedures. This warranty also does not cover any product failure resulting from circumstances beyond Infinique control, including but not limited to, accidents, modifications, unauthorised repair, misuse, fire, flood and force majeure.

This warranty covers the components of the cabling system at the original site of installation only. Any modification to the system without Infinique's approval, voids this warranty. Infinique shall not be liable for damages of any kind, including without any limitation, lost or anticipated profits, delay, or incidental, consequential or special damages. In no event shall the obligation exceed the total purchase price of all qualified products in the warranted system.

This is a 25 year product warranty that can only be claimed by an Authorized Infinique Installer for faults which occur during or after the application of a Infinique copper system installation process.

Infinique's Structured Cabling Solution

Fiber

Infinique's multimode and singlemode fiber optic end-to-end solutions are designed to provide network users with the capacity to support up to and beyond 10 Gb/s data throughput. Supported by LC and SC style connecting hardware, Infinique's fiber optic solutions are ideal for high-speed LAN backbones, storage area networks (SAN) and FTTH applications.

Infinique's fiber enclosures are feature-rich and provide easily implemented options for managing critical fiber connectivity. With versions supporting up to 288 fiber ports, Infinique's Rack Mount Fiber Panels offer superior density, accessibility, slack management, security and port identification. Wall mount versions, which share many of the user-friendly features, are also available.

Copper

Infinique Category 6A solution provides outstanding margin on all TIA and ISO performance requirements for category 6A/class EA, including critical alien crosstalk parameters. Infinique provides a warranted, end-to-end Category 6 UTP cabling solution, which exhibits margin on all parameters. From the telecommunications room to the work area, the Category 6 UTP system exceeds connecting hardware and channel performance specifications set forth for category 6/class E by the TIA and ISO/IEC.

Enclosures

Infinique offers a wide range of enclosures which includes Elite Series Server Cabinets, FTTX cabinets, single section and double section cabinets. Infinique's Elite server cabinets are designed for applications that require the highest quality and most advanced features. These server cabinets provide quality, protection and security for mission critical equipment. To complement the enclosures we offer a wide range of shelving, power, temperature control, cooling units and grounding bars.

Conformance to Quality

Infinique products are manufactured from high quality materials this gives our customers the confidence in the products performance.

Infinique products adhere to very strict quality and are to all the standards required. Being fully compliant to all necessary industry standards and requirements gives the customer confidence that their networks will perform to their best.

All Infinique Structured Cabling Products comes with Infinique 25 Years Warranty, which offers the customer peace of mind for the present and the foreseeable future.

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