CAT6 Trunk Cables

Cat 6 UTP Plug to Plug Trunk Cables

Ideal for Backbone and Cross-connect Cabling Systems

Description

ZION pre-terminated CAT6 UTP trunk cables provide a quick solution for links in the entire data center solution. They are ideal for environments with frequent moves, adds, and changes, offering fast and efficient installation of multiple point-to-point connections.

Application

Data Center Cabinets / Telecommunications Racks / Quick Network Deployment

Technical Specification

- Available in variable bundle sizes of 6, 8, or 12 cores depending on your inquiry.
- Level: Plenum, Riser, LSZH, Dca, Eca CPR rating.
- Custom lengths in 0.50-meter increments. Total trunk length shall not exceed ANSI/TIA standards.
- Unique identification number on the label at the end for each cable.
- Out Jacket: PVC/LSZH or braiding material.
- ISO/IEC 11801-1, EN 50173-1, TIA 568
- Data center cabling standards ISO/IEC 11801-5,ISO/IEC 22237-5, EN 50600-2-4, EN 50173-5, and TIA 942.
- Rated for 250MHz communications
- Designed for 1/10G Base-T Ethernet
- Pass the Fluke Channel Test

Specification (Datasheet)

Product Type

SKU	U62CV1MG-12PP-BRB **(Please check ZION'S trunk cable code)**
Shielding Type	Unshielded (UTP)
Termination End	Plug to Plug
Cable Count	6/8/12
Storage temperature	-40℃ ~ +70℃
Operating temperature	-10℃ ~ +60℃

Single Patch Cable Datasheet

Conductor:	Stranded Oxygen-free copper
Conductor QTY(Pairs)	4 Twisted Pairs
Wire Gauge (AWG)	26AWG (7/0.16mm)
Insulation Material:	HDPE
OD of Insulation	0.82±0.05 mm
Insulation Color Per TIA/EIA 568-B	Orange, White/White-Orange
	Blue, White/White-Blue
	Green, White/White-Green
	Brown, White/White-Brown
Cross	Crossweb
Sheath/Out Jacket:	LSZH OR PVC
OD of sheath	5.3 ± 0.3 mm
Thickness of sheath	0.55 ± 0.05 mm
Breakout Length	0.3 m
Color	Gray/Blue or customzied

Termination End

Plug Type	UTP CAT6 RJ45
Plug Material	Polycarbonate
Boot	LSZH OR PVC
Front Connection	Phosphor Bronze with 50u inch Gold over Nickel Plating
Durability	750 Mating Cycles min.

Outer Jacket

Material	PVC/LSZH/Braiding

Electrical Chatracteristics (20°C）

The following are laboratory data at 20°C. Actual environments may vary slightly.

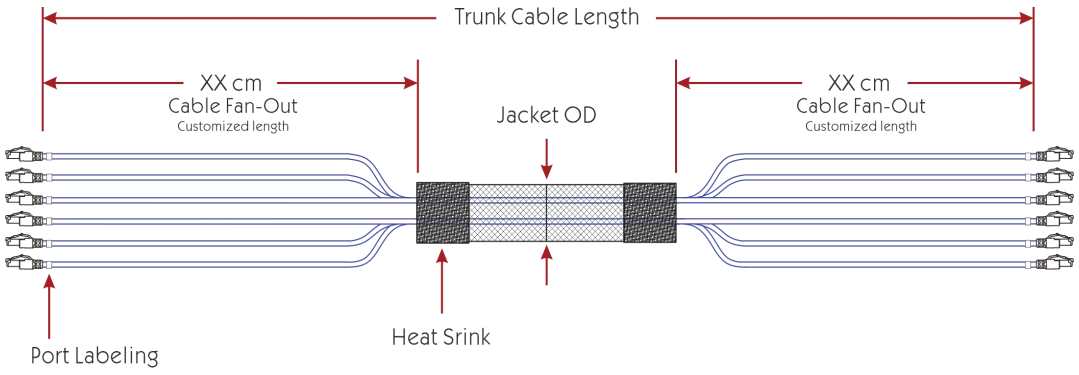
Data Rate Support	1/10G Base-T
Standard Bandwidth	250 MHz
Reference Bandwidth	550 MHz
Impedance (1-100MHz)	100 ± 15
Delay Skew (1-100MHz)	≤45 ns/100m
Max. DC Resistance	14.8 Ω/100m
Max. DC COND. RESI. Unbalance	0.05

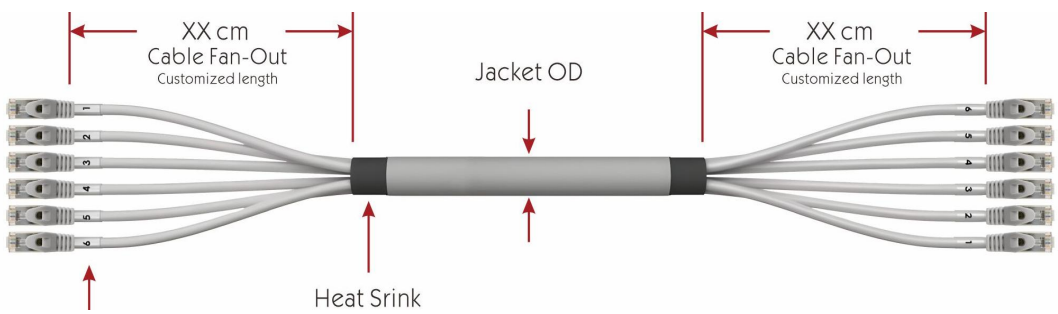
Mechanical Chatracteristics

Before Aging Tesnsile Strength	≥13.5 Mpa
Before Aging Elongation	≥150 %
Aging Period	100℃×24h×7d (℃×hrs)
After Aging Tensile Strength	≥12.5 Mpa
After Aging Elongation	≥125 %
Cold Bend	No Visible Cracks

Schematic of the finished product

The actual number of cores will be 6,8,12; the color can also be customized according to customer requirements.





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ZION'S Trunk Cable Code:

U6 1 C O 05M BL-12 P P-BR B
①②③④ ⑤ ⑥ ⑦⑧⑨⑩⑪

Cable Type	Number of conductor wires	Conductor material	Outer sheath material	Cable length	Cat6 sheath color	Cores	End A	End B	Out Jacket Material	Out Jacket Color
U6= U/UTP CAT6	2=7/0.16	C= Bare Copper	V= PVC O=LSZH	1=1M 1.5=1.5M ... 10=10M	White, Pink, Brown, Blue, Green, Red, Yellow, Black, Grey, Violet	6 8 12	Plug Jack	Plug Jack	V=PVC VR=Riser VP=Plenum O=LSZH BR=Braiding	Grey, Blue, Black
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪

ZION'S Trunk Cable Code:

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Conductor: 7/0.16mm Copper; Cable OD:5.3±0.3mm; Max Length based on 10Gbps: up to 30meter.

Zion Code	Description
U62CV1MG-12PP-BRB	CAT6 UTP 26AWG Trunk Cable Gray PVC Sheath 1Meter 12 Cores Black Braiding Jacket
U62CV1.5MG-12PP-BRB	CAT6 UTP 26AWG Trunk Cable Gray PVC Sheath 1.5Meter 12 Cores Black Braiding Jack
U62CV2MG-12PP-BRB	CAT6 UTP 26AWG Trunk Cable Gray PVC Sheath 2Meter 12 Cores Black Braiding Jacket
U62CV3MG-12PP-BRB	CAT6 UTP 26AWG Trunk Cable Gray PVC Sheath 3Meter 12 Cores Black Braiding Jacket
U62CV5MG-12PP-BRB	CAT6 UTP 26AWG Trunk Cable Gray PVC Sheath 5Meter 12 Cores Black Braiding Jacket
...	...
U62CV30MG-12PP-BRB	CAT6 UTP 26AWG Trunk Cable Gray PVC Sheath 30Meter 12 Cores Black Braiding Jacke

OEM/ODM service for you

ZION Communication has rich expiriences in producing OEM/ODM cases becaused of Profession R & D team.

- Customized Logo on Plug & Boot / Printing on Cable / Label/PE bag/Carton design
- Different Color & Different Lengths Available / Different Molding/Strain Relief