

Product: 10GX UTP LSZH PATCH CORDS

10GX Patch Cord UTP LSZH

Product Description

10GX Copper Patch Cord UTP LSZH

Technical Specifications

Product Overview

Suitable Applications:	Horizontal and building cabling. Support current and future Category 6a and 6 applications, such as: 10GBase-T (10 Gigabit Ethernet), 1000Base-T (Gigabit Ethernet), 100 Base-T, 10 Base-T, FDDI, ATM, PoE ++ IEEE 802.3 bt type 3 and type 4 is applicable for max. 10m patch cord applications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
26	Stranded	BC - Bare Copper	6.1 mm	4

Total Number of Pairs:	4

Insulation

Material
PE - Polyethylene (Foam)

Inner Shield

Element	Type	Material
Floating Shielded Pair	Tape	Bi-Laminate (Alum+Poly)

Inner Jacket

Material
No Jacket

Outer Shield

Type	Material
Braid	Tinned Copper (TC)

Outer Jacket

Material	Nominal Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.1 mm

Wiring Scheme:	T568A/B-T568A/B
Packaging:	Individually packaged in a clear plastic bag.

Connectors

Materials

Description	Material	Type
Plug	Polycarbonate	RJ45
Boot	LSZH	Snagless
Front Connection	Phosphor Bronze with 50u inch Gold over Nickel Plating	Blades

Electrical Characteristics

Dielectric Strength:	2.5 kV DC
Current Rating:	1 A
Insulation Resistance:	5000 MOhm*km
Max Contact Resistance:	20 mOhm

Voltage

Voltage Rating [V]
72 V DC

Performance Footnote1:	There is 1dB margin on NEXT and RL guaranteed compared to ISO/IEC 11801-1:2017
Performance Footnote2:	The performance data below 4Mhz or above 500Mhz are for information only.

Temperature Range

Installation Temperature Range:	0°C To +50°C
Operating Temperature Range:	-20°C to +60°C

Mechanical Characteristics

Min Bend Radius (Overall Cable):	25 mm
Plug /Jack Compatibility:	RJ45

Termination Interface

Termination	Connection	Durabilities
RJ45	Mated Connection	750 Cycles

Standards

ISO/IEC Compliance:	ISO/IEC 11801-1
Data Category:	Category 6A
TIA/EIA Compliance:	ISO/IEC 11801-1:2017; EN 50173-1 Amd 1 Caregory 6A; ANSI/TIA/EIA 568 C.2 Category 6A

Applicable Environmental and Other Programs

Environmental Space:	Indoor Rated (Not Riser or Plenum)

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-3-22

Related Part Numbers

Related Parts:	10GX Modular Jacks, 10GX Patch Panels

Variants

Item #	Color	Length
CA24100001M	Black	1 m
CA24100002M	Black	2 m
CA24100003M	Black	3 m
CA24100005M	Black	5 m
CA24100007M	Black	7 m
CA24100010M	Black	10 m
CA24100015M	Black	15 m
CA241000D5M	Black	0.5 m
CA241001D5M	Black	1.5 m
CA24106001M	Blue	1 m
CA24106002M	Blue	2 m
CA24106003M	Blue	3 m
CA24106004M	Blue	4 m
CA24106005M	Blue	5 m
CA24106006M	Blue	6 m
CA24106010M	Blue	10 m
CA24106015M	Blue	15 m

CA24106016M	Blue	16 m
CA241060D5M	Blue	0.5 m
CA24106020M	Blue	20 m
CA24106007M	Blue	7 m
CA24106008M	Blue	8 m
CA241061D5M	Blue	1.5 m
CA24108001M	Gray	1 m
CA24108002M	Gray	2 m
CA24108003M	Gray	3 m
CA24108005M	Gray	5 m
CA24108007M	Gray	7 m
CA24108010M	Gray	10 m
CA24108012M	Gray	12 m
CA24108015M	Gray	15 m
CA24108016M	Gray	16 m
CA24108020M	Gray	20 m
CA24108050M	Gray	50 m
CA241080D5M	Gray	0.5 m
CA241084D6M	Gray	4.6 m
CA24408050M	Gray	50 m
CA24105001M	Green	1 m
CA24105002M	Green	2 m
CA24105003M	Green	3 m
CA24105005M	Green	5 m
CA24105010M	Green	10 m
CA24105016M	Green	16 m
CA241050D5M	Green	0.5 m
CA24103001M	Orange	1 m
CA24103002M	Orange	2 m
CA24103003M	Orange	3 m
CA24103005M	Orange	5 m
CA24103010M	Orange	10 m
CA241030D5M	Orange	0.5 m
CA24102001M	Red	1 m
CA24102002M	Red	2 m
CA24102003M	Red	3 m
CA24102005M	Red	5 m
CA24102010M	Red	10 m
CA24102015M	Red	15 m
CA24102016M	Red	16 m
CA241020D5M	Red	0.5 m
CA24102020M	Red	20 m
CA24402003M	Red	3 m
CA24402020M	Red	20 m
CA24107001M	Violet	1 m
CA24107002M	Violet	2 m
CA24107003M	Violet	3 m
CA24107005M	Violet	5 m
CA24107010M	Violet	10 m
CA24109001M	White	1 m
CA24109002M	White	2 m
CA24109003M	White	3 m
CA24109005M	White	5 m
CA24109010M	White	10 m
CA241090D5M	White	0.5 m
CA24109009M	White	9 m
CA24104001M	Yellow	1 m
CA24104002M	Yellow	2 m
CA24104003M	Yellow	3 m
CA24104005M	Yellow	5 m
CA24104010M	Yellow	10 m

CA241040D5M	Yellow	0.5 m
CA24104070M	Yellow	70 m

History

Update and Revision:	Revision Number: 0.170 Revision Date: 12-19-2023

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