



Product: [10GX S/FTP LSZH PATCH CORDS](#)

10GX Patch Cord S/FTP LSZH

Product Description

10GX Copper Patch Cord S/FTP 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
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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
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Insulation

Material
PE - Polyethylene (Foam)

Inner Shield

Element	Type	Material
Individual 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
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Packaging:	Individually packaged in a clear plastic bag.
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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)
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Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-3-22
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Related Part Numbers

Related Parts:	10GX Shielded Modular Jacks, 10GX shielded Patch Panels
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Variants

Item #	Color	Length
CAE4100001M	Black	1 m
CAE4100002M	Black	2 m
CAE4100003M	Black	3 m
CAE4100005M	Black	5 m
CAE4100010M	Black	10 m
CAE4100020M	Black	20 m
CAE41000D5M	Black	0.5 m
CAE41001D5M	Black	1.5 m
CAE4100004M	Black	4 m
CAE4100006M	Black	6 m
CAE4100007M	Black	7 m
CAE4100008M	Black	8 m
CAE4100009M	Black	9 m
CAE4106001M	Blue	1 m
CAE4106002M	Blue	2 m
CAE4106003M	Blue	3 m
CAE4106005M	Blue	5 m

CAE4106006M	Blue	6 m
CAE4106007M	Blue	7 m
CAE4106008M	Blue	8 m
CAE4106009M	Blue	9 m
CAE4106010M	Blue	10 m
CAE4106012M	Blue	12 m
CAE4106015M	Blue	15 m
CAE4106018M	Blue	18 m
CAE4106021M	Blue	21 m
CAE4106024M	Blue	24 m
CAE4106027M	Blue	27 m
CAE4106030M	Blue	30 m
CAE41060D5M	Blue	0.5 m
CAE41061D5M	Blue	1.5 m
CAE4106004M	Blue	4 m
CAE4106011M	Blue	11 m
CAE4106013M	Blue	13 m
CAE4106014M	Blue	14 m
CAE4106016M	Blue	16 m
CAE4106017M	Blue	17 m
CAE4106019M	Blue	19 m
CAE4106020M	Blue	20 m
CAE4106025M	Blue	25 m
CAE4108001M	Gray	1 m
CAE4108002M	Gray	2 m
CAE4108003M	Gray	3 m
CAE4108005M	Gray	5 m
CAE4108007M	Gray	7 m
CAE4108010M	Gray	10 m
CAE4108015M	Gray	15 m
CAE4108050M	Gray	50 m
CAE41080D5M	Gray	0.5 m
CAE4108004M	Gray	4 m
CAE4108006M	Gray	6 m
CAE4108008M	Gray	8 m
CAE4108009M	Gray	9 m
CAE4108011M	Gray	11 m
CAE4108012M	Gray	12 m
CAE4108013M	Gray	13 m
CAE4108014M	Gray	14 m
CAE4108016M	Gray	16 m
CAE4108017M	Gray	17 m
CAE4108018M	Gray	18 m
CAE4108019M	Gray	19 m
CAE4108020M	Gray	20 m
CAE41081D5M	Gray	1.5 m
CAE41087D5M	Gray	7.5 m
CAE4105001M	Green	1 m
CAE4105002M	Green	2 m
CAE4105003M	Green	3 m
CAE4105005M	Green	5 m
CAE4105010M	Green	10 m
CAE4105025M	Green	25 m
CAE41050D5M	Green	0.5 m
CAE4105020M	Green	20 m
CAE4105040M	Green	40 m
CAE4103001M	Orange	1 m
CAE4103002M	Orange	2 m
CAE4103003M	Orange	3 m
CAE4103005M	Orange	5 m
CAE4103007M	Orange	7 m

CAE4103015M	Orange	15 m
CAE4103040M	Orange	40 m
CAE4102001M	Red	1 m
CAE4102002M	Red	2 m
CAE4102003M	Red	3 m
CAE4102005M	Red	5 m
CAE4102010M	Red	10 m
CAE4102025M	Red	25 m
CAE41020D5M	Red	0.5 m
CAE4102004M	Red	4 m
CAE4102006M	Red	6 m
CAE4102007M	Red	7 m
CAE4102008M	Red	8 m
CAE4102009M	Red	9 m
CAE4102020M	Red	20 m
CAE4102030M	Red	30 m
CAE4107002M	Violet	2 m
CAE4107001M	Violet	1 m
CAE4107003M	Violet	3 m
CAE4107005M	Violet	5 m
CAE4107015M	Violet	15 m
CAE4109001M	White	1 m
CAE4109002M	White	2 m
CAE4109003M	White	3 m
CAE4109005M	White	5 m
CAE4109008M	White	8 m
CAE4109010M	White	10 m
CAE4109015M	White	15 m
CAE4109020M	White	20 m
CAE4109025M	White	25 m
CAE41090D5M	White	0.5 m
CAE4104001M	Yellow	1 m
CAE4104002M	Yellow	2 m
CAE4104003M	Yellow	3 m
CAE4104005M	Yellow	5 m
CAE4104010M	Yellow	10 m
CAE41040D5M	Yellow	0.5 m
CAE4104040M	Yellow	40 m
CAE4104004M	Yellow	4 m
CAE4104006M	Yellow	6 m
CAE4104007M	Yellow	7 m
CAE4104008M	Yellow	8 m
CAE4104009M	Yellow	9 m
CAE4104020M	Yellow	20 m
CAE4104025M	Yellow	25 m

History

Update and Revision:	Revision Number: 0.160 Revision Date: 12-19-2023
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