

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

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
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
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 Shielded Modular Jacks, 10GX shielded Patch Panels

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: 0.195 Revision Date: 08-12-2024

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.