

FutureCom™ EA Patch Cord, FRNC, RJ45 - RJ45 connector

grey, RJ45-RJ45 connector, 2 m

CORNING

The application-neutral FutureCom™ category 6_A patch cords have four individual foil-shielded pairs (PiMF) and an additional braid shield (S/FTP). They are assembled with a shielded RJ45 connectors on each end. The zero halogen patch cords (LSZH) are non-corrosive according to IEC 60754-2 (FRNC) and EN 50267, low smoke according to IEC 61034 and EN 50268 and flame retardant according to IEC 60332-1, Category B and EN 50266-2-1. FutureCom™ S500 patch cords provide additional latch protection.

They are available in various lengths and colours.

Features

- S/FTP flex cable, Category 7
- Application-neutral due to using all four pairs of RJ45 connectors
- Minimum surface transfer impedance of cable (<10 mΩ/m at 10 MHz)
- Outstanding transmission characteristics according to 10GBase-T
- Additional latch protection
- Category 6_A
- PVP Certificate
- Supports Power over Ethernet (PoE / PoE+ according to IEEE802.3bt)



Specifications

General Specifications

Cable assembly type	Patch cords
Environment	Indoor
Cable type	S/FTP
Halogen-free	Yes
Category	6 _A
Product category	Core product / Fastship

Temperature Range

Operation	-20 °C to 60 °C
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Design - Connector A

Connector type	RJ45 - 8/8
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Mechanical Specifications - Connector A

Durability	750 Cycles
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Electrical Specifications - Connector

Insulation Resistance	≥ 5000 MΩ
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Design - Connector B

Connector type	RJ45 - 8/8
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Mechanical Specifications - Connector B

Durability	750 Cycles
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Cable Design

Conductor	26 AWG
Conductor Insulation	Halogen-free foam-skin material
Twisting	2 cores to a pair
Pair screen	Al-laminated foil around each pair
No. of pairs	4
Overall screen	Copper braid, tinned
Outer jacket material	LSZH™/FRNC
Outer jacket colour	Grey

Mechanical Characteristics

Min. Bend Radius Installation	47 mm
Min. Bend Radius Operation	18 mm
Nominal Outer Diameter	5.8 mm

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Electrical characteristics (at 20°C)

Max. loop resistance	290 Ω/km
DC resistance unbalance	2 %
Impedance Z_0 at 0-100 MHz	100 Ω +/- 15%
Impedance Z_0 at 101-250 MHz	100 Ω +/- 18%
Impedance z_0 at 251-600 MHz	100 Ω +/- 25%
Surface transfer impedance	< 10 mΩ/m per meter at 10 MHz
Mutual capacity	43 pF/m
Earth coupling at 0.001 MHz	1600 pF/km
Propagation delay ≥10 MHz	4.3 ns/m
Delay skew	20 ns/100 m

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Ordering Information

Part Number	CCAAGB-G1002-A020-C0
Product Description	FutureCom™ EA Patch Cord, FRNC, RJ45 - RJ45 connector, grey, 2 m
EAN Code	4042673311638
Weight	0.096 kg
Length	2 m

Shipping Information

Units Per Delivery	1/1
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