

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

grey, RJ45-RJ45 connector, 5 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



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	$\geq 5000 \text{ M}\Omega$
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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

Outer diameter	5.8 mm
Outer jacket material	LSZH™/FRNC
Outer jacket colour	Grey

Mechanical Characteristics

Conductor Insulation	Braided shield Individual pair shield (PiMF)
Min. Bend Radius Installation	47 mm
Min. Bend Radius Operation	18 mm

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%

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Electrical characteristics (at 20°C)

Impedance z_0 at 251-600 MHz	100 Ω +/- 25%
Surface transfer impedance	< 10 m Ω /m per meter at 10 MHz
Mutual capacity	43 pF/m
Earth coupling at 0.001 MHz	1600
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-A050-C0
Product Description	FutureCom™ EA Patch Cord, FRNC, RJ45 - RJ45 connector, grey, 5 m
EAN Code	4042673311652
Weight	0.24 kg
Length	5 m

Shipping Information

Units Per Delivery	1/1
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