

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

grey, 10 m

CORNING

The FutureCom™ Category 6_A solid wire patch cords with all eight conductors connected for voice & data have four individual foil-shielded pairs (PiMF) and an additional braid shield (S/FTP). They are assembled with a shielded RJ45 connector on each end, the boot provides additional latch protection. The zero halogen patch cords (ZH) are non-corrosive according to IEC 60754-2 (NC) and EN 50267, low smoke according to IEC 61034 and EN 50268 (LS) and flame retardant according to IEC 60332-1, Category B and EN 50266-2-1 (FR). They are available in various lengths $\geq 15\text{m}$.

Features

- Application-neutral due to using all four pairs of RJ45 connectors
- Minimum surface transfer impedance of cable ($< 10 \text{ m}\Omega/\text{m}$ at 10 MHz)
- Outstanding transmission characteristics according to 10GBase-T
- Additional latch protection
- Category 6_A



Specifications

General Specifications

Cable assembly type	Solid wire patch cord
Environment	Indoor
Cable type	S/FTP
Halogen-free	Yes
Category	6 _A

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

Min. Bend Radius Installation	60 mm
Min. Bend Radius Operation	50 mm
Outer diameter	5.7 mm
Outer jacket material	LSZH™/FRNC
Outer jacket colour	grey

Mechanical Characteristics

Conductor Insulation	Braided shield Individual pair shield (PIMF)
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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

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Electrical characteristics (at 20°C)

Propagation delay ≥ 10 MHz	4.3 ns/m
Delay skew	20 ns/100 m

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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Ordering Information

Part Number	CCAEBB-G8002-A100-C0
Product Description	FutureCom™ EA Solid Wire Patch Cord, FRNC, RJ45 - RJ45 connector, grey, 15 m
Weight	0.422 kg
Length	10 m

Shipping Information

Units Per Delivery	1/1
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