

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

green, RJ45-RJ45 connector, 1 m

CORNING

The application-neutral FutureCom™ category 6<sub>A</sub> 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<sub>A</sub>
- PVP Certificate



## Specifications

General Specifications	
Cable assembly type	Patch Cords
Environment	Indoor
Cable type	S/FTP
Halogen-free	Yes
Category	6 <sub>A</sub>

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	40 mm
Min. Bend Radius Operation	30 mm
Outer diameter	5.8 mm
Outer jacket material	LSZH™/FRNC
Outer jacket colour	green

## 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%

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## Electrical characteristics (at 20°C)

Impedance $z_0$ at 251-600 MHz	100 $\Omega$ +/- 25%
Surface transfer impedance	< 10 m $\Omega$ /m per meter at 10 MHz
Mutual capacity	43 pF/m
Earth coupling at 0.001 MHz	1600
Propagation delay $\geq$ 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	CCAAGB-G4002-A010-C0
Product Description	FutureCom™ EA Patch Cord, FRNC, RJ45 - RJ45 connector, green, 1 m
EAN Code	4042673311874
Weight	0.048 kg
Length	1 m

## Shipping Information

Units per delivery	1/1
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