

FutureCom™ Industrial Patch Cord, FRNC, IP67/65 - RJ45 connector Violet, IP67/65 - RJ45



CORNING

Part Number: CCAIHB-G70H1-A020-C0

FutureCom Industrial S/FTP flex IP67/65 patch cords are specially designed for Ethernet connections in areas with harsh environmental conditions such as humidity, water, dust or extreme temperatures.

The FutureCom Industrial S/FTP flex IP67/65 patch cord are foil and braid shielded (PiMF) and offer a polyurethane jacket for harsh environments. They are assembled with one industrial RJ45 connector in compliance with IEC 60603-7-4 and IEC 61076-3-106 and one RJ45 connector at each end.

They are available in various lengths.

Features and Benefits

High-quality IP67 industrial-RJ45 Cat.6 connector in compliance with IEC 61076-3-106

Robust connector for harsh environmental conditions such as jet water during cleaning with water hose, extreme temperatures, dust and humidity

Flame resistant and non-corrosive

Microbe- and hydrolysis-resistant cable

Cable resistant against mineral and cooling lubricant

Cable resistant against aromatic hydrocarbon

IP67 protection level according to EN 60529

ProfiNET compliant

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Specifications

General Specifications

Cable Assembly Type	Industrial Patch Cords
Environment	Industrial
Category	6
Cable Type	S/FTP
Halogen-free	Yes

Mechanical Specifications

Min. Bend Radius Installation	48 mm
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Electrical Specifications

Max. loop resistance	43 Ω /km
Delay skew	290 ns/100 m
Earth coupling at 0.001 MHz	20 pF/km
Propagation delay ≥ 10 MHz	1600 ns/m
DC resistance unbalance	4.3 %
Impedance Z ₀ at 101-250 MHz	100 Ω \pm 18%
Impedance Z ₀ at 251-600 MHz	100 Ω \pm 25%
Mutual capacity	43 pF/m
Insulation Resistance	5000 M Ω *km
Surface transfer impedance	10 m Ω

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Specifications - Connector A

Connector Type	RJ45 - 8/8
Durability Cycles	750 N/A

Cable Design

Outer Jacket Material	LSZH™/FRNC
Outer Jacket Color	Purple

Specifications - Connector B

Connector Type	IP67
Durability Cycles	750 N/A

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Environmental Conditions

Temperature Range, Installation	0 °C - 50 °C (32 °F - 122 °F)
Temperature Range, Operation	-20 °C - 60 °C (-4 °F - 140 °F)



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