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

purple, IP67/65 - RJ45

CORNING

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

- 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 humitity

- Flame resistant and non-corrosive

- Microbe- and hydrolysis resistant cable

- Cable resistant against mineral and cooling lubricant

- Cable resistant against aromitic hydocarbon

- IP67 protection level according to EN 60529

- ProfiNET compliant

Part Number: CCAIHB-G70H1-A030-C0

Specifications

General Specifications	
Cable assembly type	Industrial Patch Cords
Environment	Industrial
Cable type	S/FTP
Halogen-free	Yes
Category	6

Design - Connector A	
Connector Type	RJ45 - 8/8

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Mechanical Specifications - Connector A

Durability	750 Cycles

Electrical Specifications - Connector

Insulation Resistance	≥ 5000 MΩ

Design - Connector B

Connector Type	IP67

Cable design

Min. Bend Radius Installation	40 mm
Min. Bend Radius Operation	18 mm
Outer jacket material	LSZH™/FRNC
Outer jacket colour	Purple

Mechanical Characteristics

Copper conductor	AWG 26
Temperature range (installation)	0 °C to 50 °C
Operating temperature	-20 °C 60 °C

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 z0 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
Propagation delay ≥10 MHz	4.3 ns/m
Delay skew	20 ns/100 m

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Chemical Characteristics

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

Ordering Information

Part Number	CCAIHB-G70H1-A030-C0
Product Description	FutureCom™ Industrial Patch Cord, FRNC, IP67/65 - RJ45 connector, purple, 3 m
EAN Code	4042673225072
Weight	0.132 kg
Length	3 m

Shipping Information

Units Per Delivery	1/1

RoHS COMPLIANT

CORNING