

# FutureCom™ Industrial Patch Cord, FRNC, 2x IP67/65 connector Violet, 2x IP67/65

CORNING

**Part Number:**  
**CCAIHB-G70H2-A010-C0**

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

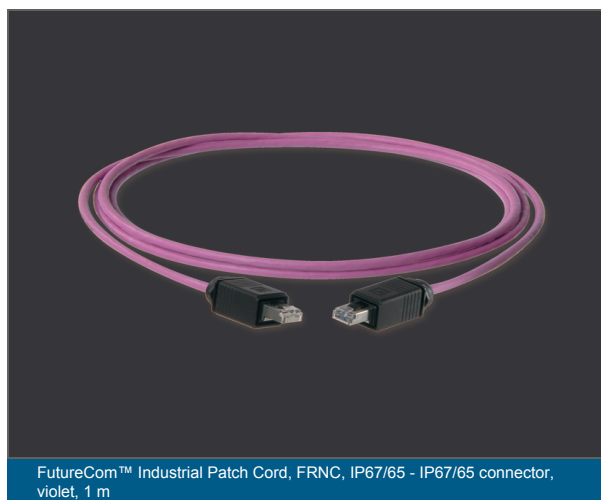
Microbe- and hydrolysis-resistant cable

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 $\Omega$ /km
Delay skew	290 ns/100 m
Earth coupling at 0.001 MHz	20 pF/km
Propagation delay	$\geq 10$ MHz 1600 ns/m
DC resistance unbalance	4.3 %
Impedance Z0 at 101-250 MHz	100 $\Omega \pm 18\%$
Impedance Z0 at 251-600 MHz	100 $\Omega \pm 25\%$
Mutual capacity	43 pF/m
Insulation Resistance	5000 M $\Omega$ *km
Surface transfer impedance	10 m $\Omega$

### Specifications - Connector A

Connector Type	IP67
Durability Cycles	750 N/A

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## 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 to 50 °C
Temperature Range, Operation	-20 °C to 60 °C



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