

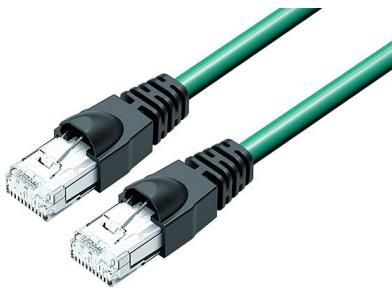
# Product data sheet

## Automation technology - Data transmission

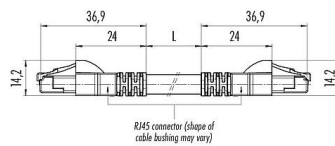


Product description	RJ45/RJ45 Connecting cable 2 RJ45 connector, Contacts: 8, shielded, crimping, IP20, Ethernet CAT5e, TPE, blue/green, 4 x 2 x AWG 24, 1 m
Area	RJ45
Part no.	77 9753 9753 34708-0100

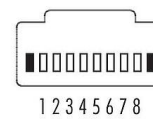
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



- 1 white/orange
  - 2 orange
  - 3 white/green
  - 4 blue
  - 5 white/blue
  - 6 green
  - 7 white/brown
  - 8 brown
- Shield = housing

## Technical data

### General features

Part no.	<b>77 9753 9753 34708-0100</b>
Connector design	Connecting cable 2 RJ45 connector
Type standard	DIN EN 61076-2-101
Cable length	1 m (Standard 1 m and 2 m. Other lengths are available on request.)
Version	Connecting cable
Connector locking system	lock
Termination	crimping
Degree of protection	IP20
Cross-sectional area	4 x 2 x AWG 24
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	180

### Electrical parameters

Rated voltage	50 V
Rated impulse voltage	1000 V
Rated current	1.5 A
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	shielded

### Material

Contact body material	Polymid
Contact material	CuZn (brass)
Contact plating	Au (gold)

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REACH SVHC	None (No pollutants)
SCIP number	SCIP-number not available

### Classifications

ETIM 9.0	EC002638
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### Cable data - Structure of the cable

Cable type	Ethernet CAT5e
Cable diameter	7.6 mm
Cross section	4 x 2 x AWG 24
Sheath material	TPE
Single-lead insulation	HDPE
Single-lead structure	7 x 32 mm
Cable color	blue/green

### Cable data - Mechanical properties

Bending radius, fixed cable	$\geq 5 \times \emptyset$
Bending radius, moving cable	$\geq 10 \times \emptyset$
Bending cycles	> 10 million

### Cable data - Thermal properties

Temperature range cable in move from/to	-40 °C / 80 °C
Temperature range cable fixed from/to	-40 °C / 80 °C

### Cable data - Other features

Halogen free	no
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### General Disclaim Notice

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

Plug connectors with enclosure protection IP67 and IP68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre.

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 50 cNm).