

FL CAT5 FLEX


Order No.: 2744830

The illustration shows a version without preassembly and without RJ45 plug



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CAT5-SF/UTP cable (J-LI02YS(ST)C H 2 x 2 x 26 AWG), light-duty, flexible installation cable 2 x 2 x 0.14 mm², stranded, shielded, outer sheath: 5.75 mm ± 0.15 mm diameter

Commercial data	
GTIN (EAN)	
Note	Made-to-order
sales group	H658
Pack	1 m
Customs tariff	85444993
Catalog page information	Page 536 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
05/23/2006



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Technical data	
Cable type	
Cable abbreviation	J-LI02YS(ST) CH 2 x 2 x 26 AWG
External sheath	
Outer sheath, material	Halogen-free compound, HM 2 in acc. with VDE 0207

External sheath, color	water blue RAL 5021
External diameter max.	5.9 mm
External diameter min.	5.6 mm

Single wire

Single wire, color	White/orange-orange (pair 1)
	White/green-green (pair 2)
Individual wire, diameter	1 mm (wires to pairs, pairs are arranged to form a cable core)
Single wire, material	Foam skin (polyethylene)
Single wire, cross section	0.14 mm ²

Mechanical properties

Smallest bending radius, movable installation	78 mm (not for flexible cable conduit)
Smallest bending radius, fixed installation	30 mm
Tensile strength short-term/long-term	50N bei Installation / 10N nach Installation
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 60 °C (cable, flexible installation)
Ambient temperature (storage/transport)	-40 °C ... 80 °C

General data

Cable weight	43 kg/km
Loop resistance	max. 284 Ω (per kilometer)
Working capacitance	48 nF (per kilometer)
Wave impedance	100 Ω ±15%

Accessories

Item	Designation	Description
Cable/conductor		
2744843	FL CAT5 FLEX CONF/	CAT5-SF/UTP cable (J-LI02YS(ST)C H 2 x 2 x 26 AWG), light-duty, flexible installation cable 2 x 2 x 0.14 mm ² , stranded, shielded, outer sheath: 5.75 mm ± 0.15 mm diameter, preassembled on both sides with RJ45 plug, crossover or line assignment
2744814	FL CAT5 HEAVY	CAT5-SF/UTP cable (J-02YS(ST)C HP 2 x 2 x 24 AWG), heavy-duty installation cable, 2 x 2 x 0.22 mm ² , solid conductor, shielded, outer sheath: 7.8 mm diameter, inner sheath: 5.75 mm ± 0.15 mm diameter

2744827	FL CAT5 HEAVY CONF/	CAT5-SF/UTP cable (J-02YS(ST)C HP 2 x 2 x 24 AWG), heavy-duty installation cable, 2 x 2 x 0.22 mm ² , solid conductor, shielded, outer sheath: 7.8 mm diameter, inner sheath: 5.75 mm ± 0.15 mm diameter, preassembled on both sides with RJ45 plug, crossover or line
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General

2313931	FL ISOLATOR 100-RJ/RJ	Passive network isolator for electrical isolation in Ethernet networks. For protection against surge voltages up to 4 kV and differences in potential. Can be used for transmission speeds up to 100 Mbps. Connection options for two RJ45 connectors.
2313928	FL ISOLATOR 100-RJ/SC	Passive network isolator for electrical isolation in Ethernet networks. For protection against surge voltages up to 4 kV and differences in potential. Can be used for transmission speeds up to 100 Mbps. Connection using RJ45 and COMBICON plug-in screw terminal block.
2313915	FL ISOLATOR 1000-RJ/RJ	Passive network isolator for electrical isolation in Ethernet networks. For protection against surge voltages up to 4 kV and differences in potential. Can be used for transmission speeds up to 1 Gbps. Connection options for two RJ45 connectors.
2832991	FL RJ45 PROTECT CAP	Dust protection caps for RJ45 female connector

Plug/Adapter

2744571	FL PLUG RJ45 GN/2	RJ45 connector, shielded, with bend protection sleeve, 2 pieces, green for crossed cables, for assembly on site. For connections that are crossed, it is recommended that the connector set with green bend protection sleeves is used.
2744856	FL PLUG RJ45 GR/2	RJ45 connector, shielded, with bend protection sleeve, 2 pieces, gray for straight cables, for assembly on site. For connections that are not crossed, it is recommended that you use the connector set with gray bend protection sleeve.

Tools

2744869	FL CRIMPTOOL	Crimping pliers, for assembling the RJ45 connectors FL PLUG RJ45..., for assembly on site
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