

# 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 mm<sup>2</sup>, stranded, shielded, outer sheath: 5.75 mm ± 0.15 mm diameter

Ethernet

## Commercial data

GTIN (EAN)	 4 017918 600501
Note	Made-to-order
sales group	H658
Pack	1 m
Customs tariff	85444993
Catalog page information	Page 552 (IF-2011)

## Product notes

WEEE/RoHS-compliant since:  
05/09/2006



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## Technical data

### Cable type

Cable abbreviation	J-LI02YS(ST) CH 2 x 2 x 26 AWG
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### External sheath

Outer sheath, material	Halogen-free compound, HM 2 in acc. with VDE 0207
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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 <sup>2</sup>

#### 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
<b>Cable/conductor</b>		
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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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
<b>General</b>		
2744610	FL CAT5 TERMINAL BOX	Patch panel, an RJ45 socket on 4 screw connection terminal blocks (assignment 1, 2, 3, 6), CAT5e, 10/100 Mbps, DIN rail mounting, IP20, shield contacting on DIN rail
2313931	FL ISOLATOR 100-RJ/RJ	Passive network isolator for electrical isolation in Ethernet networks. This protects Ethernet devices from potential differences of up to 4 kV. Can be used for transmission speeds of up to 100 Mbps. Possible to connect two RJ45 plugs.
2313928	FL ISOLATOR 100-RJ/SC	Passive network isolator for electrical isolation in Ethernet networks. This protects Ethernet devices from potential differences of up to 4 kV. Can be used for transmission speeds of 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. This protects Ethernet devices from potential differences of up to 4 kV. Can be used for transmission speeds of up to 1 Gbps. Possible to connect two RJ45 plugs.
2832991	FL RJ45 PROTECT CAP	Dust protection caps for RJ45 female connector
2901645	FL-PP-RJ45-LSA	Patch panel, an RJ45 female connector on 8 LSA connection terminal blocks (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers
2901645	FL-PP-RJ45-LSA	Patch panel, an RJ45 female connector on 8 LSA connection terminal blocks (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers
2901643	FL-PP-RJ45-SC	Patch panel, an RJ45 female connector on 8 screw connection terminal blocks (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers
2901643	FL-PP-RJ45-SC	Patch panel, an RJ45 female connector on 8 screw connection terminal blocks (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers
2901642	FL-PP-RJ45-SCC	Patch panel, an RJ45 female connector on 8 spring-cage connection terminal blocks (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers
2901642	FL-PP-RJ45-SCC	Patch panel, an RJ45 female connector on 8 spring-cage connection terminal blocks (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers

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2901646	FL-PP-RJ45/RJ45	Patch panel, two RJ45 female connectors (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers
2901646	FL-PP-RJ45/RJ45	Patch panel, two RJ45 female connectors (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers

**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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**Address**

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