

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

| | |
|--------------------------|--|
| EAN |  4 017918 600501 |
| Note | Made-to-order |
| sales group | H658 |
| Pack | 1 m |
| Customs tariff | 85444993 |
| Gross weight in pieces | 0.04024 KG |
| Net weight per piece | 0.04024 KG |
| Catalog page information | Page 417 (C-8-2013) |

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 |
|--------------------|--------------------------------|

Ambient conditions

| | |
|---|--|
| 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 |

External sheath

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|------------------------|---|
| 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

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|----------------------------|--|
| 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

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|---|--|
| 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 |

General

| | |
|-----------------------|--------------------------------|
| Variable cable length | Free input (0.25 ... 1000.0 m) |
| Cable weight | 43 kg/km |
| Loop resistance | ≤ 284 Ω (per kilometer) |
| Working capacitance | 48 nF (per kilometer) |
| Wave impedance | 100 Ω ±15 % |

Certificates / Approvals

Certification

Certifications applied for:

Certification Ex:

| 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 |
| Connector/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. |
| General | | |
| 2744610 | FL CAT5 TERMINAL BOX | Patch panel, one RJ45 socket to 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 socket |

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|---------|-----------------|--|
| 2901645 | FL-PP-RJ45-LSA | Patch panel, one RJ45 socket to 8 IDC 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, one RJ45 socket to 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, one RJ45 socket to 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 |
| 2901646 | FL-PP-RJ45/RJ45 | Patch panel, two RJ45 sockets (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers |

Tools

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