PHŒNIX CONTACT

Cable - FL CAT5 HEAVY - 2744814

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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 mm², solid conductor, shielded, outer sheath: 7.8 mm diameter, inner sheath: 5.75 mm ± 0.15 mm diameter

The illustration shows a version without preassembly and without RJ45 plug

Ethernet

Key Commercial Data

Packing unit	1 M
Weight per Piece (excluding packing)	66.72 g
Custom tariff number	85444993
Country of origin	Germany

Technical data

Cable type

Cable abbreviation	J-02YS(ST) C HP 2 x 2 x 24 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

Outer sheath, material	Halogen-free compound, HM 2 in acc. with VDE 0207
External sheath, color	water blue RAL 5021
External diameter max.	7.8 mm
External diameter min.	7.2 mm

Single wire

Single wire, color	White/orange-orange (pair 1)

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Technical data

Single wire

	White/green-green (pair 2)
Single wire, material	Foam skin (polyethylene)
Single wire, cross section	0.22 mm²

Mechanical properties

Smallest bending radius, fixed installation	45 mm (with outer sheath) / 30 mm (without outer sheath)
Tensile strength short-term/long-term	130 N bei Installation / 65 N nach Installation

General

Conductor length	Free input (0.25 ... 1000.0 m)
Cable weight	68 kg/km
Loop resistance	≤ 192 Ω (per kilometer)
Working capacitance	48 nF (per kilometer)
Wave impedance	100 Ω ±15 %

Classifications

eCl@ss

eCl@ss 4.0	27230207
eCl@ss 4.1	27230207
eCl@ss 5.0	27230207
eCl@ss 5.1	27230207
eCl@ss 6.0	27230207
eCl@ss 7.0	27230207
eCl@ss 8.0	27062011
eCl@ss 9.0	27062011

ETIM

ETIM 2.0	EC001423
ETIM 3.0	EC001423
ETIM 4.0	EC001423
ETIM 5.0	EC001578

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008

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Approvals

Approvals

Approvals	
EAC	

Ex Approvals	

Approvals submitted	

Approval details

EAC

Accessories

Accessories

Data cable by the meter

Network cable - FL CAT5 FLEX - 2744830

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

Data cable preassembled

Network cable - FL CAT5 HEAVY CONF/ - 2744827

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 mm², 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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Cable - FL CAT5 HEAVY - 2744814

Accessories

Network cable - FL CAT5 FLEX CONF/ - 2744843

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, preassembled on both sides with RJ45 plug, crossover or line assignment

Passive isolators

Network isolator - FL ISOLATOR 100-RJ/RJ - 2313931

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.

Network isolator - FL ISOLATOR 100-RJ/SC - 2313928

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.

Network isolator - FL ISOLATOR 1000-RJ/RJ - 2313915

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.

Patch panel

Patch panels - FL-PP-RJ45-SCC - 2901642

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

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Cable - FL CAT5 HEAVY - 2744814

Accessories

Patch panels - FL-PP-RJ45-SC - 2901643

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

Patch panels - FL-PP-RJ45-LSA - 2901645

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

Patch panels - FL-PP-RJ45/RJ45 - 2901646

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

Patch panels - FL CAT5 TERMINAL BOX - 2744610

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

Plug

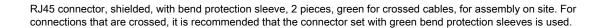RJ45 connector - FL PLUG RJ45 GR/2 - 2744856

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.

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Accessories

RJ45 connector - FL PLUG RJ45 GN/2 - 2744571

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.

Protective cap

Dust protection - FL RJ45 PROTECT CAP - 2832991

Dust protection caps for RJ45 socket

Universal tools

Assembly tool - FL CRIMPTOOL - 2744869

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

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