

Cable - PSM-CABLE-PROFIB/FC - 2744652

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PROFIBUS cable, Fast Connect type, up to 12 Mbps (02YSY (ST)CY 1x2x22 AWG)



Key Commercial Data

Packing unit	1 M
Weight per Piece (excluding packing)	0.01 g
Custom tariff number	85444993
Country of origin	Germany

Technical data

Cable type

Cable abbreviation	02YSY(ST)CY 1 x 2 x 22AWG
Cable type	PROFIBUS in acc. with IEC 61158, Type A

Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °C
Resistance to oil	Limited resistance to mineral oils and greases

External sheath

Printing	PHOENIX CONTACT PSM-CABLE PROFIBUS/ES 02YSY(ST)CY 1 X 2 X 22 AWG and continuous meter marking
Outer sheath, material	PVC FR VI
External sheath, color	Violet
External diameter	8 mm
External diameter max.	8.4 mm
External diameter min.	7.6 mm

Single wire

Single wire, color	Conductor 1: red
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Technical data

Single wire

	Conductor 2: green
Single wire, material	Solid copper wire, bare
Single wire, cross section	0.34 mm ²

Mechanical properties

Smallest bending radius, fixed installation	=> 150 mm with outer sheath
Tensile strength short-term/long-term	≤ 100 N

General

Conductor length	Free entry (1.0 ... 1000.0 m)
Cable weight	78 kg/km
Loop resistance	≤ 110 Ω (per kilometer)
Working capacitance	28.5 nF (per kilometer)
Wave impedance	150 Ω ±15 %

Behavior in fire

Behavior in fire	Flame-resistant as per IEEE and IEC 60 332-3 test type C
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Standards and Regulations

Resistance to oil	Limited resistance to mineral oils and greases
Behavior in fire	Flame-resistant as per IEEE and IEC 60 332-3 test type C
Standards/regulations	# File E119100

Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27062011
eCl@ss 9.0	27062011

ETIM

ETIM 2.0	EC001136
ETIM 3.0	EC001136
ETIM 4.0	EC001136
ETIM 5.0	EC001578

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Classifications

UNSPSC

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

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

Approval details

EAC

Accessories

Accessories

Data plug

D-SUB bus connector - SUBCON-PLUS-PROFIB/90/IDC - 2313672



D-SUB connector, 9-pos., male connector, cable entry < 90°, bus system: PROFIBUS DP up to 12 Mbps, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; IDC terminal block connection

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Accessories

D-SUB bus connector - SUBCON-PLUS-PROFIB/90/PG/IDC - 2313685



D-SUB connector, 9-pos., male connector, cable entry < 90°, bus system: PROFIBUS DP up to 12 Mbps with PG D-SUB socket for connecting a programming device, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; IDC terminal block connection

D-SUB bus connector - SUBCON-PLUS-PROFIB/90/SC - 2313698



D-SUB connector, 9-pos., male connector, cable entry < 90°, bus system: PROFIBUS DP up to 12 Mbps, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks

D-SUB bus connector - SUBCON-PLUS-PROFIB/90/PG/SC - 2313708



D-SUB connector, 9-pos., male connector, cable entry < 90°, bus system: PROFIBUS DP up to 12 Mbps with PG D-SUB socket for connecting a programming device, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks

D-SUB bus connector - SUBCON-PLUS-PROFIB/SC2 - 2708232



D-SUB connector, 9-pos., male connector, cable entry < 35°, bus system: PROFIBUS DP up to 12 Mbps, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks

D-SUB bus connector - SUBCON-PLUS-PROFIB/PG/SC2 - 2708245



D-SUB connector, 9-pos., male connector, cable entry < 35°, bus system: PROFIBUS DP up to 12 Mbps with PG D-SUB socket for connecting a programming device, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks

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Accessories

D-SUB bus connector - SUBCON-PLUS-PROFIB/AX/SC - 2744380



D-SUB connector, 9-pos., male connector, axial version with two cable entries, bus system: PROFIBUS DP up to 12 Mbps, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks

Stripping tool

Stripping tool - PSM-STRIP-FC/PROFIB - 2744623



Quick stripping tool for PROFIBUS cable, type Fast Connect

Stripping pliers - QUICK WIREFOX 6 - 1204384



Stripping tool for cables with PVC insulation, stripping range: 0.08 to 6 mm², wire cutting up to 6 mm² flexible or 4 mm² rigid

Drawings

Schematic diagram



