


PSM-CABLE-PROFIB/FC

Order No.: 2744652

<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=2744652>PROFIBUS cable, Fast Connect type, up to 12 Mbps (02YSY (ST)CY
1x2x22 AWG)**PROFI
BUS****Commercial data**

EAN	 4 017918 836658
Note	Made-to-order
sales group	H638
Pack	1 m
Customs tariff	85444993
Gross weight in pieces	0.08074 KG
Net weight per piece	0.08074 KG
Catalog page information	Page 439 (C-8-2013)

Product notesWEEE/RoHS-compliant since:
06/29/2006

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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 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

Variable cable 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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Certificates / Approvals

Certification

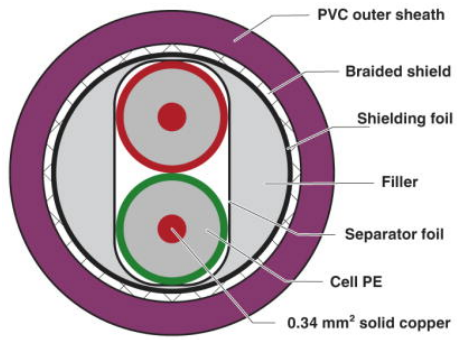
Certifications applied for:

Certification Ex:

Accessories		
Item	Designation	Description
Connector/Adapter		
2313672	SUBCON-PLUS-PROFIB/90/IDC	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
2313685	SUBCON-PLUS-PROFIB/90/PG/IDC	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
2313708	SUBCON-PLUS-PROFIB/90/PG/SC	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
2313698	SUBCON-PLUS-PROFIB/90/SC	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
2744380	SUBCON-PLUS-PROFIB/AX/SC	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
2708245	SUBCON-PLUS-PROFIB/PG/SC2	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
2708232	SUBCON-PLUS-PROFIB/SC2	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
Tools		
2744623	PSM-STRIP-FC/PROFIB	Quick stripping tool for PROFIBUS cable, type Fast Connect
1204384	QUICK WIREFOX 6	Stripping tool for cables with PVC insulation, stripping range: 0.08 to 6 mm ² , wire cutting up to 6 mm ² flexible or 4 mm ² rigid

Drawings

Schematic diagram



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