

PSM-CABLE-PROFIB/FC


Order No.: 2744652



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



Commercial data	
GTIN (EAN)	 4 017918 836658
Note	Made-to-order
sales group	H638
Pack	1 m
Customs tariff	85444993
Catalog page information	Page 569 (IF-2011)

Product notes

WEEE/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
External sheath	
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
Ambient temperature (operation)	-40 °C ... 60 °C

General data

Cable weight	78 kg/km
Loop resistance	≤ 110 Ω (per kilometer)
Working capacitance	28.5 nF (per kilometer)
Wave impedance	150 Ω ±15%
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

Accessories

Item	Designation	Description
General		
2744636	PSM-STRIP-KNIFEBLOCK	Spare knife block for quick stripping tool
Plug/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 female connector for connecting a programming device, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; IDC terminal block connection

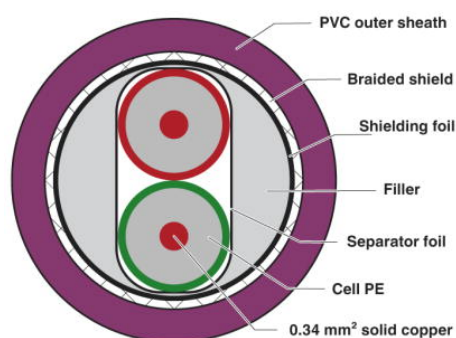
2313708	SUBCON-PLUS-PROFIB/90/PG/SC	D-SUB connector, 9-pos., male connector, cable entry < 90°, bus system: PROFIBUS DP up to 12 Mbps with PG D-SUB female connector for connecting a programming device, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection 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 female connector 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

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
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Diagrams/Drawings

Schematic diagram



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