

LEONI FieldLink®

PROFIBUS EMC cables for permanent installation

Characteristics:

- Flame retardant
- Sunlight resistant
- Weld splatter resistant
- EMC compatible
- Tear resistant (60 Newton)

High electromagnetic compatibility

The FieldLink product portfolio offers two PROFIBUS cables which are set to expand the bus cable range. The inner PROFIBUS element consists of a bare copper wire. The outer conductor is made of a welded and spiral corrugated copper tube.

These cables are suitable for permanent installation and especially developed for the requirements of PROFIBUS applications which guarantee optimal electromagnetic compatibility in rough industrial environments. In addition the cables are suitable for the direct burial.



LEONI Special Cables with its
Business Unit Automation & Drives
is a member of PROFIBUS International
www.profinet.com

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Overview PROFIBUS EMC cables

	PROFIBUS DP	PROFIBUS PA
		
Application	EMC cable for permanent installation indoor or outdoor with high electromagnetic compatibility and weld splatter resistance, 2x22AWG1	EMC cable for permanent installation indoor or outdoor or in hazardous Ex-areas with high electromagnetic compatibility and weld splatter resistance, 2x18AWG1
Conductor	Bare copper wire Ø 0.64 mm (0.025 in), insulation of foamed PE with skin Ø 2.55 mm (0.100 in)	Bare copper wire Ø 1.05 mm (0.041 in), insulation of foamed PE with skin Ø 2.55 mm (0.100 in)
Core	2 wires twisted to a pair with fillers in gaps, tinned copper drain wire	2 wires twisted to a pair with fillers in gaps
Shield	Alulminate foil overlapped, copper tape longitudinal welded and spiral corrugated	Alulminate foil overlapped, copper tape longitudinal welded and spiral corrugated
Jacket	Polyvinylchloride (PVC) violet Ø 11.1 ± 0.3 mm (0.437 ± 0.012 in)	Polyvinylchloride (PVC) blue Ø 11.1 ± 0.3 mm (0.437 ± 0.012 in)
Characteristics	Flame retardant acc. to IEC 60332-1-2, sunlight resistant, weld splatter resistant	Flame retardant acc. to IEC 60332-1-2, oil resistant acc. to UL 758 Sec. 19 (60 °C), sunlight resistant, weld splatter resistant
Type designation	02YS(ST)WKY 1x2x0.64/2.55-150 VI KF40 FR	02YS(ST)WKY 1x2x1.0/2.55-100 BL OE FR
Order number	L45467-G16-C355	L45467-J20-C135



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