PROFIBUS cable drag chain capable

Function

The **PROFIBUS cable drag chain capable** has a very high abrasive resistance accompanied by an almost unlimited oil resistance. The data transmission reliability is guaranteed by the special overall braided screen.

Instructions for use

The PROFIBUS Line drag chain capable meets highest damands when it comes to laying. The extremely high bending resistance of both the conductor material and braided screen provide for optimal and reliable use in energy chains.
Its resistance to oils, fats and coolants makes this line type also ideal for permanent installation in machine tool workshops.

Standards

- IEC 61158-2; DIN 19245 T3; EN 50170
- EN 60332-1-2; IEC 60754-2; UL AWM 21586

Chemical data

- RoHS 2002/95/EG; IEC 69811-2-1 (IRM 902, 4h at 70°C)
- UV resistant

Construction

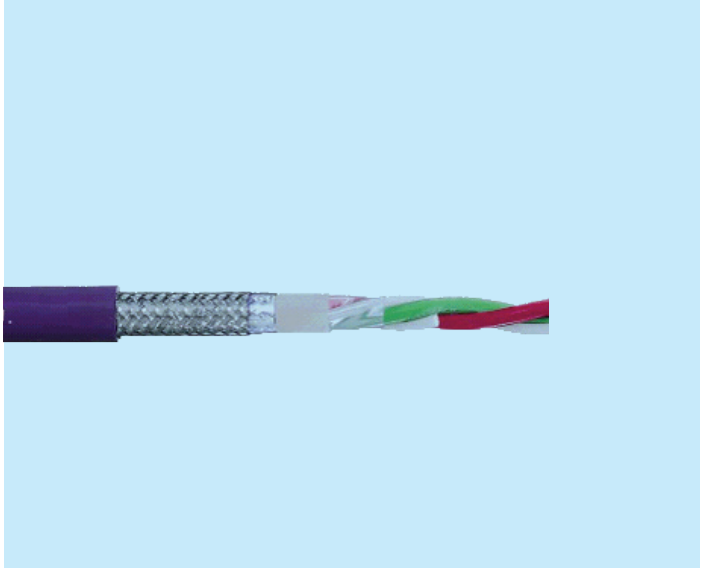
• Conductor:	AWG 24/19, bare
• Insulation:	FS-PE
• Diameter:	2,50 ±0,05 mm
• Shielding total:	Plastic laminted Aluminium foil
• Shielding:	Copper, wire 0,10 vz Optical coverage >85%
• Jacket:	PUR FHF
• Diameter:	8,0 mm ±0,2 mm
• Colour:	Violett, RAL 4001

Electrical data

• Loop resistance:	Max. 150 Ohm/km according to VDE 0812
• Insulation resistance:	Min. 5 GOhm x km at +20°C
• Operating capacity:	Nom. 30nF/km
• Test voltage:	1000 V/DC
• Work voltage:	100 V
• Screen resistance:	<14,0 mOhm/m
• Transfer impedance:	<30 mOhm/m at 10 MHz

Mechanical data

• Bending radius:	8 x diameter during installation 4 x diameter fixed
• Temperatur range:	
fix	-30°C to +80°C
oved:	-10°C bis +50°C
• Radius:	8 x diameter
• Bbending cycles:	>4 Mio.
• Max. tractive force:	100 N



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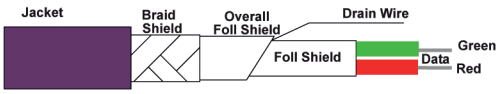

Engineering drawing

Ordering details	Art. No.
PROFIBUS cable drag chain capable	110070002
Accessories	
PROFIBUS Fast Connect Stripping Tool	110020032

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