

PROFIBUS L2 – PUR

for application in drag chains



Technical specification

	1×2×0,25 mm² (32×0,10)	2×2×0,25 mm² (32×0,10)
Core:	Fine stranded copper core acc to DIN VDE 0295, IEC 228	Fine stranded copper core acc to DIN VDE 0295, IEC 228
Insulation:	TPE	TPE
Color of insulation:	red, green	white-brown, green-yellow
Construction:	2 cores + 2 fillers stranded together and wrapped with textile tape, tinned copper braided screening, approx. 85%, and again wrapped with textile tape PUR	4 cores + 2 fillers stranded together and wrapped with textile tape, tinned copper braided screening, approx. 85%, and again wrapped with textile tape PUR
Sheath:		
Outer diameter:	approx 8,0 mm	approx. 7,5 mm
Sheath color:	violet	violet
Characteristic impedance:	150 Ω ± 10%	100–120 Ω
Transfer rate:	500 kBit/s max. 400 m	500 kBit/s max. 400 m
Capacitance:	30 nF/km	60 nF/km
Nominal voltage:	250 V	250 V
Testing voltage:	core/core: 1200 V core/screen: 750 V	core/core: 1200 V core/screen: 750 V
Loop resistance	max. 115 Ω/km	max. 186 Ω/km
Insulation resistance	at +20 °C 20 MΩ × km	at +20 °C 20 MΩ × km
Cable weight:	approx. 56 kg/km	approx. 70 kg/km
Minimum bending radius for flexing from:	approx. 7,5× cable diameter	approx. 7,5× cable diameter
Minimum bending radius for permanent for fixed from:	approx. 5× cable diameter	approx. 5× cable diameter
Temperature range – fixed from:	-50 °C to +80 °C	-50 °C to +80 °C
Temperature range – flexing from:	-30 °C to +80 °C	-30 °C to +80 °C
Copper weight:	21 kg/km	36 kg/km

Norms

DIN 19 245 and EN 50170

Application

This system cable is used to connect for example Siemens L2-DP, F.I.P. – fieldbus systems etc. Cables are suitable for systems with high requirements of mechanical resistant and for drag chain applications, on moving systems, robotic technology. Cables are halogen-free.

Part No.

0681186, PROFIBUS L2 – PUR 1×2×0,25 (32×0,10)
0681912, PROFIBUS L2 – PUR 2×2×0,25 (32×0,10)

Note

Conforms to RoHS.