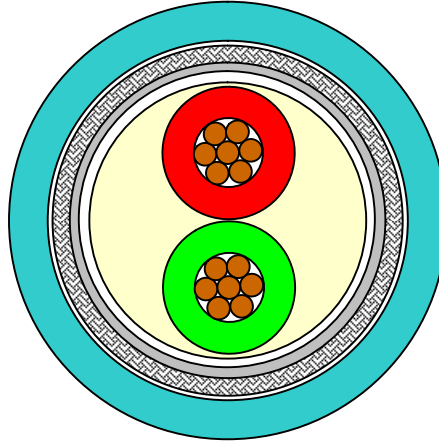


ICS PB DP FC 1x2xAWG22/19 TRAILING PUR

PROFIBUS DP FC Trailing-Cable



Application

Trailing cable :

- Min. 3.000.000 bending cycles with min. bending radius and a maximum acceleration of 4 m/s²
- Limited segment length (according to PROFIBUS-Net Manual)
- FastConnect-assembly
- UV-resistant
- Silicon free
- Oil and grease resistant

Standards

Customer specification
 UL-Listing / 300V Rating / CMX

Flame Resistance

IEC 60332-1, VDE 0482-265-2-1
 UL1581 VW-1
 IEC 61034-2, IEC 60754-1/2

Construction

Conductor	stranded bare copper wires, 19x0.13, Ø 0.65 mm, (cross-section 0.25 mm ²)
Insulation	foam-skin-PE, Ø 2.5 mm
Stranding	two cores gn / rd to the Pair
Wrapping	PET-Foil
Bedding	PVC, filling the interstices Ø 5,4 mm
Wrapping	non woven Polyestertape
Static screen	PET-Al-Foil spirally applied
Braid	tinned copper braid, coverage approx. 70%
Sheath	PUR, Ø 8.0 mm
Colour	petrol
Marking	DRAKA ICS PB DP FC 1x2xAWG22/19 PUR TRAILING, batch number and meter marking

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Mechanical properties

Bending radius	single bending repeated bending	≥ 40 mm ≥ 120 mm 3.000.000
Bending cycles (at 20°C)		
Temperature range	Transport and storage Installation	- 40°C to + 60°C - 40°C to + 60°C - 40°C to + 60°C

Electrical properties

at 20°C

Loop resistance	≤ 133 Ω/km
Screen resistance	≤ 14 Ω/km
Characteristic impedance (Nominal)	150 Ω
Mutual capacitance (at 1 kHz)	ca. 28.5 nF/km
Insulation resistance	≥ 5 GΩkm
Test Voltage (DC, 1 min) Core/Core and Core/Screen	1 kV
Operating voltage (RMS)	≤ 100 V

Electrical data

at 20°C

Frequency	Impedance (Ohm)	Attenuation (dB/100m)		
9.6 kHz	270 ± 27	≤ 0.3		
38.4 kHz	185 ± 18.5	≤ 0.4		
1 MHz				
3 MHz	150 ± 15			
4 MHz	150 ± 15	≤ 2.5		
16 MHz	150 ± 15	≤ 4.9		
20 MHz	150 ± 15			

Technical data

Part number	Cable type DIN/VDE	Type	Brand name	Outer diameter	Weight	Standard delivery length	Drum size (mm)	Gross weight	Copper content	Tensile force
1026562	Li-02YSY(St)C11Y	1 x 2 x 0.64/2.55-150	ICS PB DP FC 1x2xAWG22 /19 Trailing PUR	8.0 mm	70 kg	1000 m	600/200/ 310 PWD*	74 kg	25	100 N

*PWD (Plywood Drum)