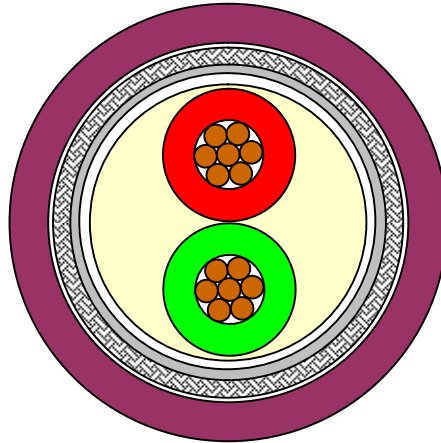


ICS PB DP FC 1x2xAWG24/19 PUR

PROFIBUS DP FC FLEX-PUR Cable



Application

- Flexible cable :
- For mobile use
 - FastConnect-assembly
 - UV-resistant
 - Silicon free
 - Oil and grease resistant

Standards

EN 50170 part 8-2, cable type A, IEC 61158 and IEC 61784

Flame Resistance

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

Construction

Conductor	Stranded bare copper wires, AWG24/7, 19 x0.13, \varnothing 0.65 mm, (Cross-section 0.25 mm ²)
Insulation	foam-skin-PE, \varnothing 2.5 mm
Stranding	two cores gn / rd to the pair
Bedding	PVC, filling the interstices, \varnothing 5.4 mm
Wrapping	non woven Polyestertape
Static screen	PET-Al-Foil spirally applied
Braid	tinned copper braid, coverage approx. 70%
Sheath	PUR, \varnothing 8.0 mm
Colour	violet, RAL 4005
Marking	DRAKA ICS PB DP FC 1x2x0.65/2.5 PUR, batch number and meter marking

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Mechanical properties

Bending radius	single bending repeated bending	≥ 40 mm ≥ 120 mm
Temperature range	Transport and storage Installation	- 40°C to + 70°C - 40°C to + 60°C - 40°C to + 60°C

Electrical properties

at 20°C

Loop resistance	≤ 135 Ω/km
Screen resistance nominal	12 Ω/km
Characteristic impedance (Nominal)	150 Ω
Mutual capacitance (at 1 kHz)	ca. 28,5 nF/km
Capacitance unbalance to earth max.	1.5 nF/km
Insulation resistance	≥ 5 GΩkm
Test Voltage (DC, 1 min) Core/Core and Core/Screen	1 kV
Operating voltage (RMS)	≤ 100 V
Inductance (nominal)	0.90 mH/km

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	Product name	Outer diameter mm	Weight kg	Standard delivery length m	Drum size mm	Gross weight kg	Copper content	Tensile force N
102504 4	Li- 02YSY(St)C11 Y	1 x 2 x 0.65/2.55 -150	ICS PB DP FC 1x2x0.AWG24/1 9 PUR	8.0	70	1000	600/200/31 0 PWD*	74	25	120

*PWD (Plywood Drum)

ICS PB DP FC 1x2xAWG24/19 PUR**Product Code Table**

Product Description	Product Code	PG Reference Code	PG Part Number
ICS PB DP FC 1x2xAWG22/19 PUR	1025044	--	60014368

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