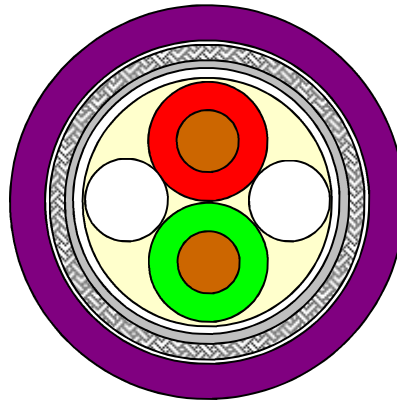


# ICS PB DP BASIC 1x2xAWG22/1 LSHF

## PROFIBUS DP Basic LSHF Cable



### Application

- Installation cable :
- Halogen free and flame resistant
  - Limited segment length (according to PROFIBUS-Net Manual)
  - UV-resistant
  - Silicon free
  - Limited oil and grease resistance

### Standards

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

### Flame Resistance

LSHF: IEC 60332-1, IEC 61034-2, IEC 60754-1/2  
 LSHF-FR: IEC 60332-3-24, IEC 61034-2, IEC 60754-1/2

### Construction

Conductor	Bare copper wire, $\varnothing$ 0.64 mm, (cross-section 0.32 mm <sup>2</sup> )
Insulation	foam-skin-PE, $\varnothing$ 2.5 mm
Stranding	two cores gn / rd to the pair and two fillers
Wrapping	PET-Foil, $\varnothing$ 5.2 mm
Static screen	PET-Al-Foil longitudinally applied
Braid	tinned copper braid, coverage approx. 60%
Sheath	halogen free, flame retardant thermoplastic sheathing compound acc. to EN 50290-2-27, $\varnothing$ 8.0 mm
Colour	violet RAL 4005
Marking	DRAKA ICS PB DP BASIC 1x2xAWG22/1 LSHF, batch number and meter marking

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### Mechanical properties

Bending radius	single bending repeated bending	≥ 60 mm ≥ 80 mm
Temperature range		- 25°C to + 80°C
Transport and storage		- 25°C to + 80°C
Installation		- 25°C to + 80°C

### Electrical properties

at 20°C

Loop resistance	≤ 110 Ω/km
Screen resistance	≤ 9.5 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)	1 kV
Core/Core and Core/Screen	
Operating voltage (RMS)	≤ 100 V

### Electrical data

at 20°C

Frequency	Impedance (Ohm)	Attenuation (dB/100m)			
9,6 kHz	270 ± 27	≤ 0.25			
38,4 kHz	185 ± 18,5	≤ 0.4			
1 MHz					
3 MHz	150 ± 15				
4 MHz	150 ± 15	≤ 2.2			
16 MHz	150 ± 15	≤ 4.2			
20 MHz	150 ± 15	≤ 4.7			

### Technical data

Part number	Cable type DIN/VDE	Type	Product name	Outer diameter mm	Weight kg	Standard delivery length	Drum size (mm) PWD*	Gross weight kg	Copper content	Tensile force
60047362 (1026560)	02YS(ST)CH	1 x 2 x 0.64/2.55-150	ICS PB DP BASIC 1x2xAWG22/1 LSHF	8.0	67	1000 m	600/200/310	71	22	100 N

\*PWD (Plywood Drum)

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