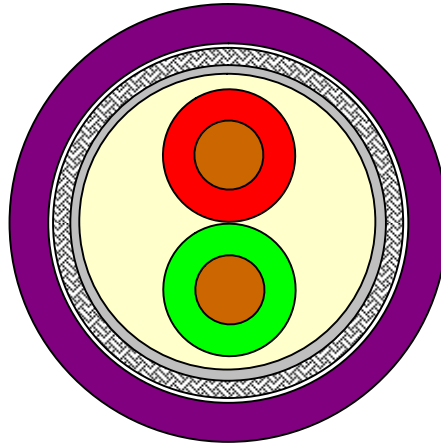


# ICS PB DP FC 1x2xAWG22/1 LSHF-FR

## PROFIBUS FC LSHF-FR Cable



### Application

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

### Standards

Customer specification

### Flame Resistance

LSHF: IEC 60332-1, IEC 61034-2, IEC 60754-1/2  
 LSHF-FR: IEC 60332-1, IEC 60332-3-24, IEC 61034-2, IEC 60754-1/2  
 VDE 0482-266-2-4

### 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
Bedding	halogen free, flame retardant thermoplastic sheathing compound acc. to EN 50290-2-27, filling the interstices $\varnothing$ 5.4 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, violet, $\varnothing$ 8.0 mm
Marking	DRAKA ICS PB DP FC 1x2xAWG22/1 LSHF-FR, batch number and meter marking

# ICS PB DP FC 1x2xAWG22/1 LSHF-FR

## Mechanical properties

Bending radius	single bending repeated bending	≥ 60 mm ≥ 80 mm
Temperature range	Transport and storage Installation	- 25°C to + 80°C - 25°C to + 80°C - 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) 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	≤ 0.25		
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			

## Technical data

Part number	Cable type DIN/VDE	Type	Product name	Outer diameter	Weight	Standard delivery length	Drum size (mm)	Gross weight	Copper content	Tensile force
1026561	02YSH(ST)CH	1 x 2 x 0.64/2.55- 150	ICSPB DP FC 1x2xAWG22/1 LSHF-FR	8.0 mm	82 kg	1000 m	600/200/310 PWD*	86 kg	22	100 N

\*PWD (Plywood Drum)

[PRODUCT CODE TABLE]

**ICS PB DP FC 1x2xAWG22/1 LSHF-FR**

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