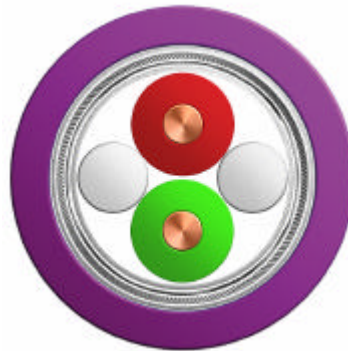


# FieldLink®

## Profibus High-Temperature



### Design

#### Wire:

Bare copper wire  
Insulation of foamed Fluorethylen

ø 0.64 mm (0.025 in)  
ø 2.55 mm (0,100 in)

#### Core:

2 wires, RD and GN twisted to a pair with fillers in gaps  
Alulaminat foil overlapped  
Shield braiding of tinned copper wires 0.15 mm dia  
Coverage about 60%

ø 5.9 mm (0,232 in)

#### Jacket:

Perfluorethylenpropylen, FEP VT  
Wall thickness about 0.65 mm

ø (7.2 ±0.25) mm (0,283 ±0,010 in)

Printing: LEONI L PROFIBUS L2/F.I.P. High-Temperature "sequential length in metres"  
Textintervals about 1000 mm

### Electrical data at 20°C

Loop resistance		≤ 110	Ohm/km
Insulation resistance		≥ 16000	MOhm*km
Characteristic impedance	3 - 20 MHz	(150 ±15)	Ohm
	31.25 - 38,4 KHz	(185 ±18,5)	Ohm
	9,6 KHz	(270 ±27)	Ohm

**Attenuation**

16 MHz	≤	42	dB/km
4 MHz	≤	22	dB/km
38.4 kHz	≤	4	dB/km
9.6 kHz	≤	2.5	dB/km

Capacitance	≈	28	nF/km
Operating voltage (effective value)	≤	250	V
Test voltage (DC 3 sec)	=	3600	V

**Mechanical and thermal characteristics**

Conductor material acc. to DIN EN 13602 Cu-ETP-A...  
Screen material acc. to DIN EN 13602 Cu-ETP-A...-B  
Insulating material acc. to F45050-F5033  
Jacket material acc. to DIN VDE 0207, compoundtype 6YM1

**Application / Special feature:**

Oil- resistant  
UV- resistant

**Permissible temperature range : -50 °C (-58 °F) up to 180 °C (356 °F)**

min. bending radius allowed : repeated 7X ø, single 5X ø  
Weight about : 64 Kg/km (43 lb/1000ft)

**Designation of order:**

L45467-G16-N17  
208493  
06Y(ST)C6Y 1X2X0.64/2.55-150 VI  
1000 m (3281 ft) on non-returnable reel

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