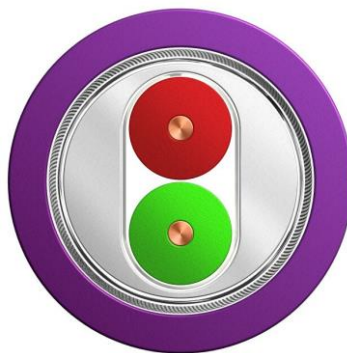


02YSY(ST)CY 1X2X0.64/2.55-150 VI KF40 FR



Design

Wire

Bare copper wire

ø 0.65 mm

Insulation of foamed Polyethylene (PE) with skin

ø 2.55 mm

Core:

2 wires RD and GN twisted to a pair

Plastic tape, overlapped

Inner-Jacket Polyvinylchloride (PVC)

ø 5.4 mm

Alulaminat foil overlapped, applied longitudinally

Coverage 100%

Shield braiding of tinned copper wires 0.15 mm dia

Coverage about 55%

ø 6.2 mm

Jacket:

Polyvinylchloride (PVC) VT

Wall thickness about 0.9 mm

ø (8.0 ±0.4) mm

Printing: "sequential length in metres" LEONI L PROFIBUS L2/F.I.P. ES L45467-G16-C185 * 22AWG (SHIELDED) (UL) E119100 CMG FT4 75°C or CL3 SUN RES or AWM 21694 600V

Textintervals about 1000 mm

Electrical data at 20°C

Loop resistance

≤ 110 Ohm/km

Screen resistance

≤ 9.5 Ohm/km

Insulation resistance

≥ 16 GOhm*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

Inductance (31,25 KHz)	≈	1000	μH/km
Capacitance (1 KHz)	≈	28,5	nF/km
Unbalance to ground	≤	1500	pF/km
Operating voltage (effective value)	≤	100	V
UL-Rating		600	V
rel. velocity of propagation	≈	81	%
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 DIN EN 50290-2-23 (VDE 0819), table 2/A (HD 624.3)

Jacket material acc. to DIN EN 50290-2-22 (VDE 0819), compoundtype TM52 (HD 624.2)

Cold bend test acc. DIN VDE 0473 part 811-1-4 ; after 16 hour storage at -40° Grad

Flame retardant acc. to IEC 60332-3-24 (Cat. C)

Flame retardant acc. to UL 1685 (CSA FT 4)

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FILE E116441 Vol.1 Sec.6 Page 7

UL-Style 21694

Other characteristics:

RoHS compliant (Directive 2011/65/EC)

Sunlight resistant acc. to UL 1581 Sec.1200

Permissible temperature range: - 40°C up to + 80°C

Bending diameter ≥ 150 mm

Pulling force with ≤ 100 N

PVC weight with Phthalate : 47.7 Kg/km

PVC weight without Phthalate : 0.0 Kg/km

Weight about : 80 kg/km (53 lb/1000ft)

Designation of order:

L45467-G16-C185

202226

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1000 m on non-returnable reel