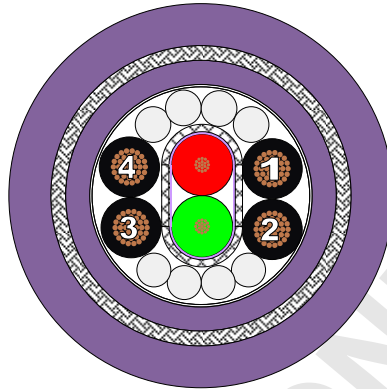


02Y(ST)C 1X2X0.65/2.56-150 LI
 LIH-Z 11Y(Z)11Y 4X1X1.5 VT



Design

a) Wire LIH 1.5/2.4

Stranded bare copper wire (16 AWG)
 Insulation of Thermoplastic copolymer (FRNC) BK - numbered

∅ 1.6 mm (0.063 in dia)
 ∅ 2.4 mm (0.094 in dia)

b) Screened pair 02Y(ST)C 1X2X0.65/2.56-150 LI

Wire
 Stranded bare copper wire (23 AWG)
 Insulation of foamed Polyethylene (PE)

∅ 0.67 mm (0.026 in dia)
 ∅ 2.56 mm (0.101 in dia)

2 wires, RD and GN twisted to a pair
 Plastic tapes overlapped
 Alulaminare foil overlapped
 Shield braiding of tinned copper wires
 Coverage about 60%

Core

1 screened pair to b)
 4 wires to a) number printed 1 -4
 + fillers
 Plastic tape overlapped

∅ 9.0 mm (0.354 in dia)

I-Jacket:

Polyurethane (PUR) VT

∅ (11.0 ±0.3) mm (0.433 ±0.012 in dia)

Armouring of stainless steel wires 0.3 mm dia
 Coverage about 85% (EN 50288-7)
 Plastic tape overlapped

Jacket:

Polyurethane (PUR) VT

∅ (14.7 ±0.3) mm (0.579 ±0.012 in dia)

Printing: "sequential length in metres" LEONI L PROFIBUS Hybrid Cable Armoured * L45467-G116-W148 *
 2X24AWG + 4X16AWG * "internal lot number"

Electrical data at 20°C

Wire LIH 1.5/2.4

Conductor resistance	≤	14	Ohm/km
Insulation resistance	≥	20	MOhm*km
Operating voltage (peak)		100	V
Test voltage (wire/wire/screen rms 50Hz 1min) (wire to a)		1000	V

Screened pair to b)

Loop resistance	≤	138	Ohm/km
Insulation resistance	≥	5	GOhm*km
Operating voltage (peak)		100	V
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	≤	49	dB/km
4 MHz	≤	25	dB/km
38.4 kHz	≤	4	dB/km
9.6 kHz	≤	3	dB/km
Capacitance 1 KHz	≈	30	nF/km
Surface transfer impedance 20 MHz	≤	60	mOhm/m
rel. velocity of propagation	≈	81	%
Test voltage (wire/wire/screen rms 50Hz 1min) (pair to b)		1500	V

Mechanical and thermal characteristics

Insulating material acc. to DIN EN 50290-2-23 (VDE 0819), table 2/A (HD 624.3) (02Y)

Insulating material acc. to DIN EN 50290-2-26 (VDE 0819) (HD 624.6)

Jacket material acc. F45052-F5100 (similar to DIN VDE 0282)

Flame retardant acc. to IEC 60332-1-2

Other characteristics:

RoHS compliant (Directive 2011/65/EC)

Permissible temperature range

Transport, installation and operating: -40 °C (-40 °F) up to 80 °C (176 °F)

Min. bending radius allowed: repeated 10X ø, single 5X ø

Weight about : 287 kg/km (193 lb/1000ft)

Designation of order:

L45467-G116-W148

225795

02Y(ST)C 1X2X0.65/2.56-150 LI

LIH-Z 11Y(Z)11Y 4X1X1.5 VI

1000 m (3281 ft) on non-returnable reel