

FieldLink® MC

LI2Y(ST)C 1X2X0.24/1.9-110 VZN

LI9Y-J C11Y 4X1X2.5/2.85 VZN OG



Design

Wire LI9Y 2.5/2.85 VZN

Stranded tinned copper wire (14 AWG)
Insulation of Polypropylene (PP)

∅ 2.0 mm (0.079 in dia)
∅ 2.85 mm (0.112 in dia)

Shielded pair LI2Y(ST)C 1X2X0.24/1.9-110

Wire
Stranded tinned copper wire (24 AWG)
Insulation of Polyethylene (PE)

∅ 0.63 mm (0.025 in dia)
∅ 1.9 mm (0.075 in dia)

2 wires, GY and PK twisted to a pair
Plastic tape overlapped
Stranded tinned copper drain wire (26 AWG)
Alulaminat foil overlapped
Shield braiding of tinned copper wires
Coverage about 85%
Plastic tape overlapped

Core:


1 shielded pair GY/PK
4 wires BK-GNYE-BU-BN
+ fillers
Plastic tape overlapped
Shield braiding of tinned copper wires
Coverage about 85%
Plastic tape overlapped

∅ 9.5 mm (0.374 in dia)

Jacket:

Polyurethane (PUR) OG

∅ (12.0 ±0.4) mm (0.472 ±0.016 in dia)

| Printing: LEONI L * FIELDLINK MC HYBRID TAILING *  us AWM I/II A/B 80°C 1000V FT1 *
4G2.5 + (2xAWG24)C C "internal lot number"

Electrical data at 20°C

Shielded pair LI2Y(ST)C 1X2X0.24/1.9-110

Conductor resistance	≤	83.8	Ohm/km
Insulation resistance	≥	5	GOhm*km
Operating voltage (peak)	≤	1000	V
Capacitance (1 kHz wire/wire)		50	nF/km ±10%
Capacitance (1 kHz wire/screen)		100	nF/km ±10%
Characteristic impedance (10 MHz)		(110 ±10)	Ohm
Time delay	nom.	5,0	ns/m
Test voltage (wire/wire rms 50Hz 1min)		4000	V
Test voltage (wire/screen rms 50Hz 1min)		3000	V

Wire LI9Y 2.5/2.85 VZN

Conductor resistance	≤	13.3	Ohm/km
Insulation resistance	≥	5	GOhm*km
Operating voltage (peak)	≤	1000	V
Test voltage (wire/wire rms 50Hz 1min)		4000	V
Test voltage (wire/screen rms 50Hz 1min)		3000	V

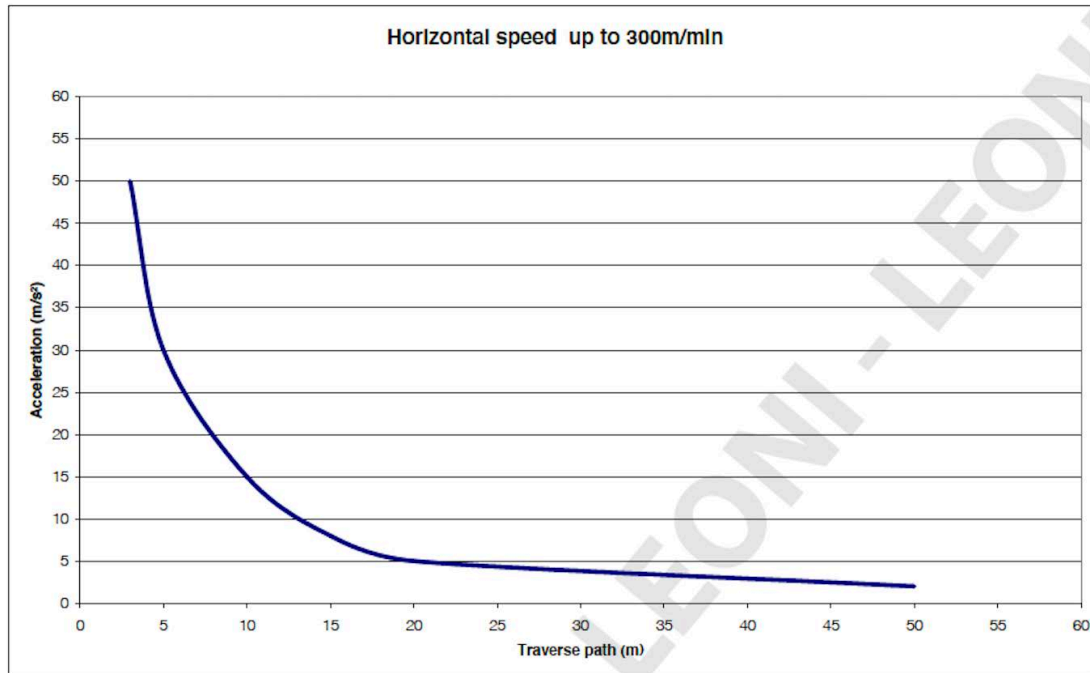
Mechanical and thermal characteristics

Oil resistant acc. to VDE 0282 Part 10 (HD 22.10 S2)
Flame retardant acc. to UL 2556, Sec. 9.4 (VW-1) (has to be testified)
Flame retardant acc. to UL 2556, Sec. 9.3 (FT1), CSA C22.2 No.2556
Flame retardant acc. to IEC 60332-1 2

UL-Style 21223 (80°C/1000V)
CSA C22.2 No. 210 I/II A/B FT1

Trailing cable suitable for the following requirements

- Bendings 10 million (must be testified)
- Maximum acceleration 50 m/s²
- Maximum horizontal speed 300 m/min
- Minimum bending radius 12 x outer diameter
- Maximum length horizontal of cable 50 m
- Torque angle ≤ ± 30°/ m



Other characteristics:

RoHS compliant (Directive 2011/65/EC)
 Halogen free acc. to IEC 60754-1

Permissible temperature range

Transport, fixed installation -40 °C (-40 °F) up to 80 °C (176 °F)
 Mobile operation -20 °C (-4 °F) up to 60 °C (140 °F)

Min. bending radius allowed: repeated 12X, single 5X ø

Weight about : 230 kg/km (155 lb/1000ft)

Designation of order:

L45467-Y516-W8
 226497
 LI2Y(ST)C 1X2X0.24/1.9-110 VZN
 LI9Y-J C11Y 4X1X2.5/2.85 VZN OR
 1000 m (3281 ft) on non-returnable reel