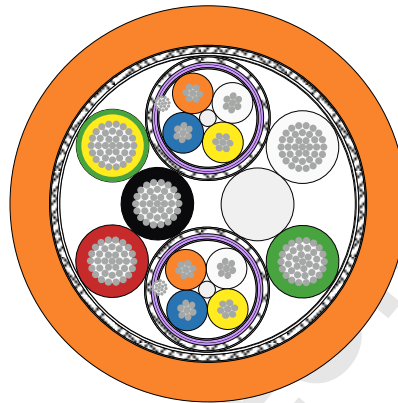


FieldLink[®] MC

2Y(ST)C 2X4X0.75/1.55-100 LI VZN
LI9Y-J C11Y 5X1X2.5 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)

2Y(ST)C 2X2X0.75/1.55-100 LI VZN (Cat.5)

Wire
Stranded tinned copper wire (22 AWG)
Insulation of Polyethylene (PE)
Wall thickness about 0.4 mm

∅ 0.75 mm (0.030 in dia)
∅ 1.56 mm (0.061 in dia)

Core:

Filler as central element
4 wires twisted
Sequence of colors: WH-YE-BU-OG
Plastic tapes, overlapped
Alulaminat foil overlapped
Stranded tinned copper drain wire (23 AWG)
Shield braiding of tinned copper wires
Coverage about 90%
Plastic tape, overlapped

∅ 5.0 mm (0.197 in dia)

Core:

2 units 2Y(ST)C(ST) 2X2X0.75/1.55-100 LI VZN (Cat.5)
5 wires LI9Y 2.5/2.85 VZN WH-GN-RD-BK-GNYE
+ fillers
Plastic tape overlapped
Shield braiding of tinned copper wires
Coverage about 85%
Plastic tape overlapped

∅ 12.4 mm (0.488 in dia)

Jacket:

Polyurethane (PUR) OG

∅ (15.4 ±0.3) mm (0,606 ±0,012 in dia)

Printing: LEONI L * FIELDLINK MC HYBRID TRAILING *  us AWM I/II A/B 80°C 1000V FT1 * 5G2.5 + (4x2xAWG22)C C "internal lot number"

Electrical data at 20°C

Wire LI9Y 2.5/2.85

Conductor resistance	≤	8	Ohm/km
Insulation resistance	≥	500	MOhm*km
Operating voltage	≤	1000	V
Test voltage (wire/wire/screen rms 50Hz 1 min)		3000	V

2Y(ST)C 2X2X0.75/1.55 LI (CAT 5e)

Conductor resistance	≤	56	Ohm/km
Insulation resistance	≥	500	MOhm*km
Characteristic impedance (100 MHz)		(100 ±5)	Ohm
Operating voltage (peak)	≤	100	V
Test voltage (wire/wire/screen rms 50Hz 1 min)		3000	V

The electrical requirements acc. to EN 50288-2-2

Mechanical and thermal characteristics

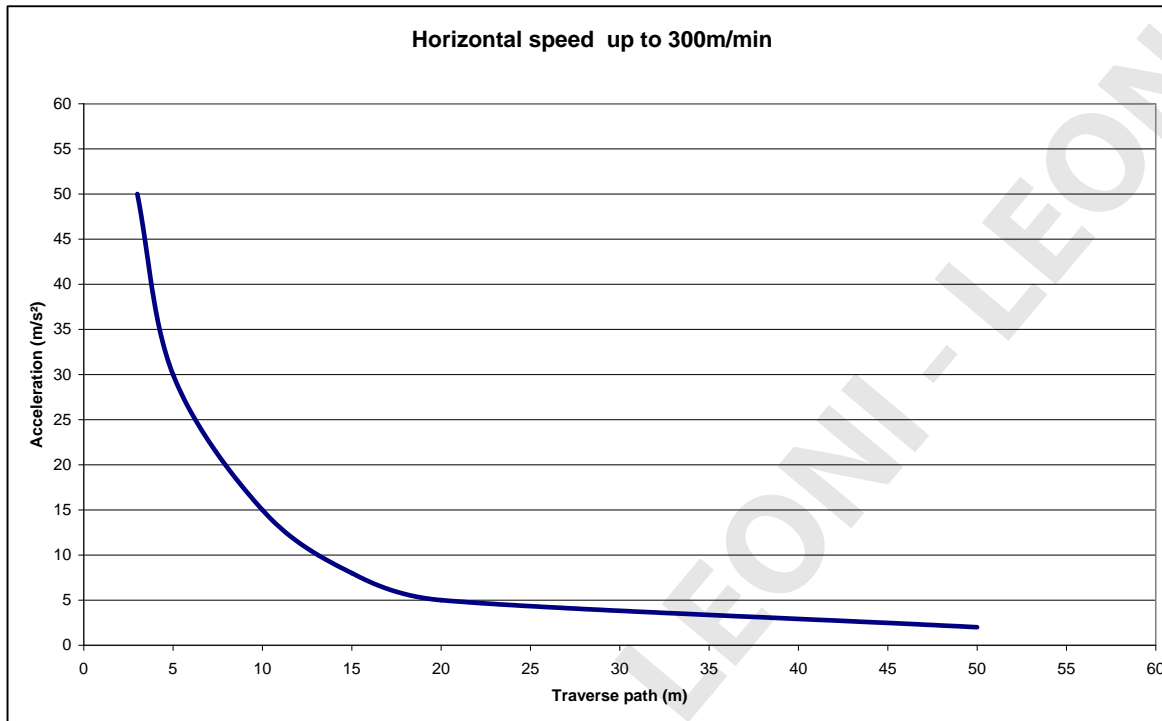
UL-Style 21223 (80°C/1000V)
CSA C22.2 No. 210.2 I/II A/B FT1

Other characteristics:

RoHS compliant (Directive 2011/65/EC)

Trailing cable for following requirements

- 5 million bending cycles
- bending radius 10 x D
- at a speed of 4 m/s
- acceleration 4 m/s²
- not adapted for garland mounting
- min. bending radius allowed: single 5X ∅
- maximum length horizontal of cable 10 m (traverse path)



Temperature range:

- Operating temperature (dynamic) -20°C (-4 °F) up to 60°C (140 °F)
- Operating temperature (static) -20°C (-4 °F) up to 80°C (176 °F)
- Stock temperature -50°C (-58 °F) up to 80°C (176 °F)

Max. pulling force (dynamic)	20 N/mm ²
Max. pulling force (static)	50 N/mm ²
Weight about	360 kg/km (242 lb/1000ft)

Designation of order:

L45467-J717-W8
 226313
 2Y(ST)C 2X4X0.75/1.55-100 LI VZN
 LI9Y-J C11Y 5X1X2.5 VZN OR
 1000 m (3281 ft) on non-returnable reel

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