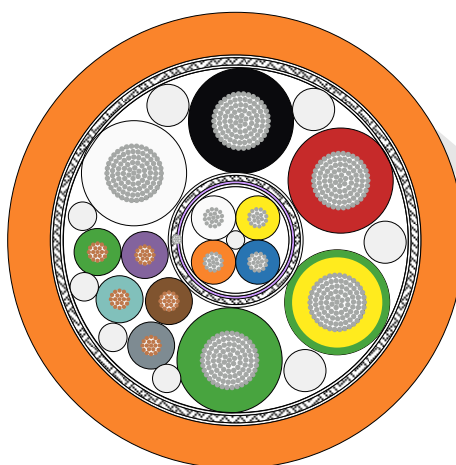


FieldLink® MC

2Y(ST)C 2X2X0.75/1.55-100 LI
 LI9Y 5X1X0.34
 LI2Y C11Y 5X1X2.5 VZN OR



Design

Wire LI2Y 2.5/3.7

Stranded tinned copper wire (14AWG)
 Insulation of Polyethylene (PE)

ø 2.1 mm (0,083 in dia)
 ø 3.7 mm (0.146 in dia)

Wire LI9Y 0.34/1.65

Stranded bare copper wire (22AWG)
 Insulation of Polypropylen (PP)

ø 0.76 mm (0,030 in dia)
 ø 1.65 mm (0.065 in dia)

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

Wire
 Stranded tinned copper wire (22AWG)
 Insulation of Polyethylene (PE)

ø 0.76 mm (0,030 in dia)
 ø 1.55 mm (0.061 in dia)

Core:

Filler as central element

1. layer: 4 wires

Sequence of colors: WH-YE-BU-OG

Plastic tapes, overlapped

Alulaminat foil overlapped

Stranded tinned copper drain wire 0.25 mm²

Shield braiding of tinned copper wires

Coverage about 90%

Plastic tape, overlapped

ø 4.8 mm (0,189 in dia)

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 Formular: WI-WW-PT-TDBL2-A-20 DV-Werk1 2000

LEONI Special Cables GmbH

Technisches Datenblatt – Technical Data Sheet – Technisches Datenblatt – Technical Data Sheet – Technisches Datenblatt – Technical Data Sheet

Core:

Central element: 2Y(ST)C 2X2X0.75/1.55 LI
 1.layer: 5 wires LI9Y 0.34/1.65 BN-VT-GY-TQ-GN
 5 wires LI2Y 2.5/3.7 WH-BK-RD-GNYE-GN
 + fillers

Sequence of colors: WH-BK-RD-GNYE-GN-BN-VT-GY-TQ-GN

Plastic tape, overlapped

Shield braiding of tinned copper wires

Coverage about 80%

Plastic tape, overlapped

ø 13.2 mm (0,520 in dia)

Jacket:

Polyurethane (PUR) OG - RAL 2003

ø (16.2 ±0.5) mm (0.638 ±0.020 in dia)

Printing: LEONI L * **FIELDLINK** MC HYBRID TRAILING *  AWM I/II A/B 80°C 1000V FT1 * 5G2.5 + 5x1x0.34
 + (1x4xAWG22)C C "internal lot number"

Electrical data at 20°C

Wire LI2Y 2.5/3.7

Conductor resistance	≤	8	Ohm/km
Insulation resistance	≥	500	MOhm*km
Operating voltage (peak)	≤	850	V
Test voltage (wire/wire/screen rms 50Hz 1min)	=	3000	V
Ampacity (up to 40 °C) RD and BK	≤	25	A
Ampacity (up to 40 °C) WH and GN	≤	15	A

Wire LI9Y 0.34/1.65

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

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

Conductor resistance	≤	56	Ohm/km
Insulation resistance	≥	500	MOhm*km
Characteristic impedance (1 - 100 MHz)		(100 ±15)	Ohm
Operating voltage (peak)	≤	100	V
Test voltage (wire/wire/screen rms 50Hz 1min)		3000	V

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

Near-end crosstalk attenuation data pairs / power wires (1 - 100 MHz)	≥	60	dB
Far-end crosstalk attenuation data pairs / power wires (1 - 100 MHz)	≥	60	dB
Capacitance power wire / power wire (1 kHz)	ca.	60	nF/km
Capacitance power wire / screen (1 kHz)	ca.	200	nF/km

Frequency (kHz)	8	16	32
Inductance power wire / power wire ≤ (µH/km)	620	600	560

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Date of issue : 04.06.2013

Technical modification reserved

Creator : LSC E / TURAN

Number : **L45467-J1117-W28-EN**

Up-dating : 00.0.0000 Name: LM
 Supersedes : 00.0.0000 E: 04.06.2013 M: 04.06.2013

Mechanical and thermal characteristics

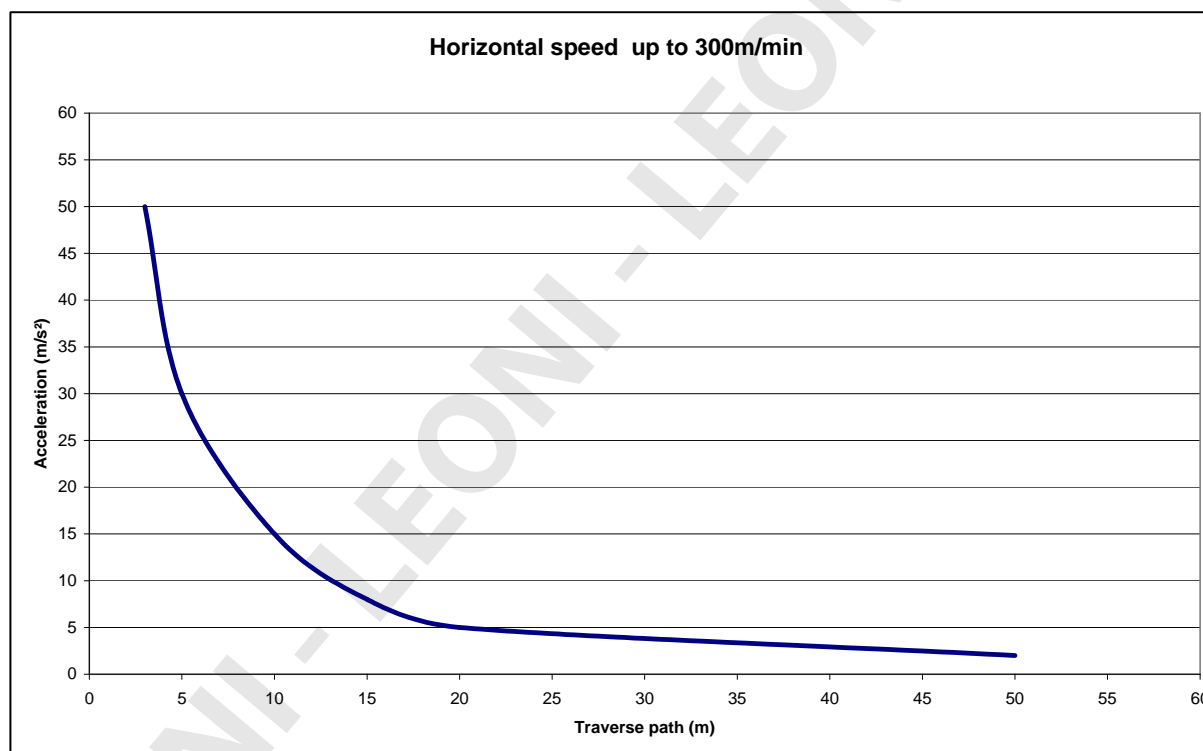
CSA C22.2 No. 210.2 I/II A/B FT1
UL-Style 21223 (80°C/1000V)

Other characteristics:

RoHS compliant (Directive 2011/65/EC)

Trailing cable for following requirements

- 5 million bending cycles (must be testified)
- bending radius $10 \times D$
- at a speed of 4 m/s
- acceleration 4 m/s²
- not adapted for garland mounting
- min. bending radius allowed: single $5X \varnothing$
- maximum length horizontal of cable 10 m (traverse path)
- Torque angle $\leq \pm 30^\circ / m$



Permissible temperature range : -40 °C (-40 °F) up to 80 °C (176 °F)
Weight about : 346 kg/km (233 lb/1000ft)

Designation of order:

L45467-J1117-W28
226309
2Y(ST)C 2X2X0.75/1.55-100 LI
LI9Y 5X1X0.34
LI2Y C11Y 5X1X2.5 VZN OR
1000 m (3281 ft) on non-returnable reel