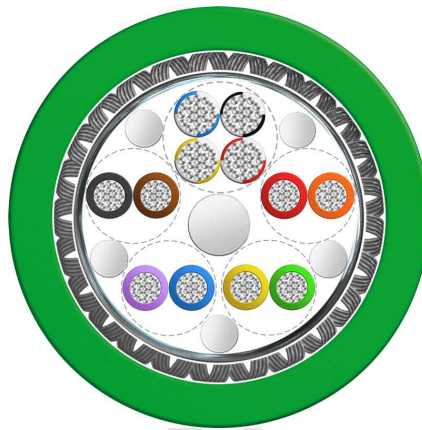


FieldLink® MC

LI9Y 4X2X0.34
LI9Y CY 1X4X0.5 VZN GN



Design

Quad LI9Y 4X0.5/1.3 VZN

Wire

Stranded tinned copper wire 19 X 0.19 (20 AWG)
Insulation of Polypropylene (PP)

∅ 0.9 mm (0.035 in dia)
∅ 1.3 mm (0,051 in dia)

4 wires twisted to a quad
Sequence of colors: WHBK-WHRD-WHYE-WHBU

Pair LI9Y 2X0.34/1.3 VZN

Wire

Stranded tinned copper wire 19 X 0.15 (22 AWG)
Insulation of Polypropylene (PP)

∅ 0.76 mm (0,030 in dia)
∅ 1.3 mm (0,051 in dia)

2 wires twisted to a pair

Core:

Filler as central element

4 pairs LI9Y 1X2X0.34/1.3 VZN RD/OG -GN/YE -BU/VT -BK/BN

1 quad LI9Y 1X4X0.5/1.3 VZN WHBK/WHRD/WHYE/WHBU

Sequence of colors: RD/OG-GN/YE-BU/VT-BK/BN- WHBK/WHRD/WHYE/WHBU

Plastic tape, overlapped

Shield braiding of tinned copper wires 0.13 mm dia (36 AWG) (≥ 1mm²)

Coverage ≥ 80%

Plastic tape, overlapped

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Jacket:

Polyvinylchloride (PVC) GN - RAL 6018

∅ (8.9 ±0.4) mm (0.350 ±0.016 in dia)

Printing: LEONI L * FIELDLINK MC FLEXIBLE * c^{RU}us AWM 2502 AWM I/II A/B 80 °C 30V FT1
4x2x0.34 + 4x0.5 "internal lot number"

Electrical data at 20°C

Conductor resistance (0.34mm ²)	≤	56.8	Ohm/km
Conductor resistance (0.5mm ²)	≤	43.3	Ohm/km
Insulation resistance	≥	1000	MOhm*km
Capacitance (1 kHz) @ Pair		(70 ±20)	nF/km
Characteristic impedance (3 MHz) @ Pair		90	Ohm ±10%
Operating voltage		30	V
Test voltage (wire/wire/screen rms 50Hz 1 min)		500	V

Frequency (MHz)	0.01	0.5	1	2	4	10	30
Shield transfer impedance (IEC 1196-1) (mOhm/m) ≤	20	20	20	20	20	50	150

Mechanical and thermal characteristics

Conductor/Screen material acc. to DIN EN 13602 Cu-ETP-A...-B

Insulating material acc. to DIN EN 50290-2-25, compound type full PP (HD 624.5)

Jacket material acc. to DIN VDE 0281-1, compound type TM5 (HD 21.1) (Nonsticking material)

Oil resistant acc. to DIN VDE 0281-1 (TM5) (HD 21.1)

Flame retardant acc. to IEC 60332-1-2

UL-Style 2502 (80°C/30V), CSA C22.2 No. 210 I/II A/B FT1

Reversed bending strength

- Bendings 2 million
- Maximum acceleration 5 m/s²
- Maximum horizontal speed 180 m/min
- Minimum bending radius 100 mm
- Minimum static radius 5 x Out. ∅
- Maximum length horizontal of cable 5m (traverse path)
- Torque angle ≤ ± 30°/ m

Other characteristics:

RoHS compliant (Directive 2011/65/EC)

Silicone-free,

FCKW-free

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Temperature range:

- | | |
|-----------------------------------|------------------------------------|
| - Stock temperature | -20°C (-4 °F) up to 80 °C (176 °F) |
| - Operating temperature (static) | -20°C (-4 °F) up to 80 °C (176 °F) |
| - Operating temperature (dynamic) | -0°C (32 °F) up to 60 °C (140 °F) |

Fire load	1.22 MJ/m
Max. pulling force (dynamic)	20 N/mm ²
Max. pulling force (static)	50 N/mm ²
PVC weight with Phthalate	33 Kg/km
PVC weight without Phthalate	0 Kg/km
Weight about	114 kg/km (76,4 lb/1000ft)

Designation of order:

L45551-W129-K45

214780

LI9Y 4X2X0.34 VZN

LI9Y CY 1X4X0.5 VZN GN

| 2000 m (6562 ft) on non-returnable reel