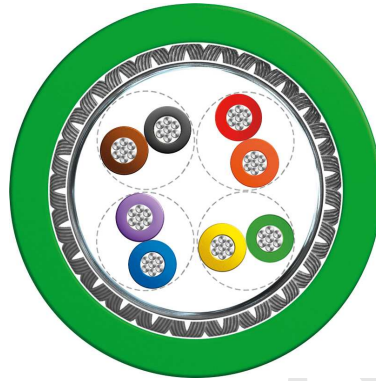


FieldLink[®] MC

LI9YCY 4X2X0.18 VZN GN



Design

Wire

Stranded tinned copper wire 7 X 0.18 (25 AWG)
 Insulation of Polypropylene
 Wall thickness about 0.2 mm

∅ 0.54 mm (0,021 in)
 ∅ 0.95 mm (0,037 in)

Pair

2 wires twisted to a pair

Core:

4 pairs twisted
 Sequence of colors: BK/BN-RD/OG-GN/YE-BU/VT
 Plastic tapes, overlapped
 Shield braiding of tinned copper wires 0.13 mm dia (36 AWG)
 Coverage about 85%
 Plastic tape, overlapped

∅ 4.6 mm (0,181 in)

Jacket:

Polyvinylchloride (PVC) GN
 Wall thickness about 0.8 mm

∅ (6.3 ±0.2) mm (0,248 ±0,008 in)

Printing: LEONI L * FIELDLINK MC FLEXIBLE * c **AW** us AWM 2502 AWM I/II A/B 80 °C 30V FT1
 4x2x0.18 "internal lot number"

Electrical data at 20°C

Conductor resistance	≤	117	Ohm/km
Insulation resistance	≥	1000	MOhm*km
Capacitance (1 kHz)	nom.	70 ±20	nF/km
Characteristic impedance (3 MHz)	nom.	100	Ohm
Operating voltage		30	V
Test voltage (wire/wire/screen rms 50Hz 1min)		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

Trailing cable for the following requirements

- bendings 2 million
- acceleration 2 m/s²
- horizontal speed 180 m/min
- minimum bending radius 12 x outer diameter
- minimum static radius 5 x outer diameter
- torque angle ≤ ± 30°/m

Other characteristics:

Silicone-free, FCKW-free

RoHS konform nach Richtlinie 2011/65/EC

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)

Max. pulling force (dynamic) 20 N/mm²

Max. pulling force (static) 50 N/mm²

PVC weight with Phthalate 21.4 kg/km

PVC weight without Phthalate 0.0 kg/km

Weight about 57 kg/km (38 lb/1000ft)

Designation of order:

L45551-A42-K5

215465

LI9YCY 4X2X0.18 VZN GN

3000 m (9842 ft) on non-returnable reel