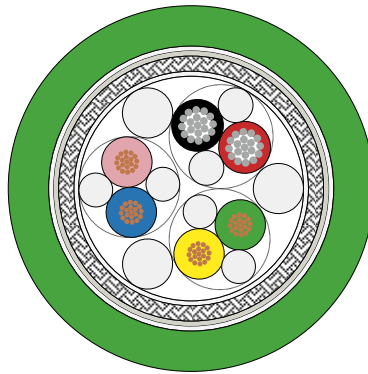


LI2Y 2X2X0.15/1.0-100
LI2Y C(ST)11Y 1X2X0.38 VZN GN



Design

Pair LI2Y 2X0.38/1.03 VZN

Wire

Stranded tinned copper wire 19 X 0.16 (22 AWG)

Insulation of Polyethylene (PE) (UL-Style 1589)

Wall thickness about 0.13 mm

∅ 0.77 mm (0,030 in)

∅ 1.03 mm (0,041 in)

2 wires twisted to a pair with fillers in gaps

Pair LI2Y 2X0.15/1.0

Wire

Stranded bare copper wire 19 X 0.1 (26 AWG)

Insulation of Polyethylene (PE) (UL-Style 1589)

Wall thickness about 0.25 mm

∅ 0.5 mm (0.020 in)

∅ 1.0 mm (0,039 in)

2 wires twisted to a pair with fillers in gaps

Core:

1 pair LI2Y 1X2X0.38/1.03 VZN BK/RD

2 pairs LI2Y 1X2X0.15/1.0 GN/YE. BU/PK

+ fillers

Plastic tape, overlapped

Shield braiding of tinned copper wires 0.15 mm dia (35 AWG)

Coverage about 90%

Plastic tape conductive, overlapped

Plastic tape, overlapped

∅ 5.2 mm (0,205 in)

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Jacket:

Polyurethane (PUR) GN - RAL 6018

Wall thickness about 0.8 mm

∅ (6.95 ±0.15) mm (0,272 ±0,006 in)

Printing: LEONI L * INDUSTRIAL ETHERNET + POWER TRAILING CABLE DESINA * c  us AWM 20236
AWM I/II A/B 80 °C 30V FT1 2x2xAWG26 + 1x2xAWG22 "internal lot number"

Electrical data at 20°C

Conductor resistance (0.15mm ²)	≤	135	Ohm/km
Conductor resistance (0.38mm ²)	≤	55	Ohm/km
Insulation resistance	≥	1	GOhm*km
Operating voltage (peak)	≤	30	V
Test voltage (wire/wire/screen rms 50Hz 1min)		500	V

Frequency (MHz)	0.01	0.5	1	2	4	10	30
Transfer impedance max (mOhm/m)	20	20	20	20	20	50	150

Pair LI2Y 2X0.15/1.0

Capacitance (1 kHz)	≈	50	nF/km
Characteristic impedance 1 - 100 MHz		(100 ±15)	Ohm

Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
Attenuation max (dB/100m) (dB/100ft)	4 (1,2)	8 (2,4)	13 (4,0)	16 (4,9)	18 (5,5)	23 (7,0)	32 (9,8)	40 (12,2)
Near-end crosstalk min (dB)	62	53	47	44	42	40	35	32
Return loss min dB	17					15,1	12,1	10

Mechanical and thermal characteristics

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

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

Jacket material acc. VDE 0282 Part 10 (HD 22.10 S1)

Oil resistant acc. to VDE 0282 Part 10 (HD 22.10 S1)

Flame retardant acc. to IEC 60332-1-2

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Reversed bending strength

- Bendings	5.000.000
- Maximum acceleration	5 m/s ²
- Maximum horizontal speed	180 m/min
- Minimum bending radius	70 mm
- Minimum static radius	35 mm
- Maximum length horizontal of cable	5 m
- Torque angle	≤ ± 30°/ m

UL-Style 20236 (80°C/30V)
CSA C22.2 No. 210.2 I/II A/B FT1

Other characteristics:

RoHS compliant
Silicone-free, FCKW-free
Halogen free acc. IEC 60754-1

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	65 kg/km (44 lb/1000ft)

Designation of order:

L45467-J317-B8
213431
LI2Y 2X2X0.15/1.0-100
LI2Y C(ST)11Y 1X2X0.38/1.03 VZN GN
2000 m (6562 ft) on non-returnable reel