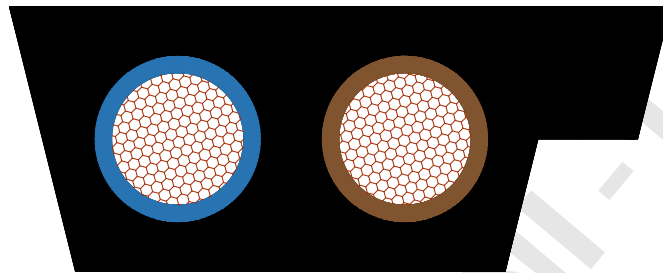


FieldLink®

FLI-9Y11Y 2X1X2.5 VZN BK



Design

Wire

Stranded tinned copper wire 140 X 0.15 (14 AWG)
Insulation of Thermoplastic copolymer (FRNC)
Wall thickness about 0.25 mm

∅ 2.0 mm (0.079 in dia)
∅ 2.5 mm (0.098 in dia)

Jacket:

Polyurethane (PUR) BK
Wall thickness 0.6 mm
The brown wire should lay on the broadside of the profil
Outer dimensions

Thickness	4.0 ± 0.2 mm
Thickness of leading edge	2.0 ± 0.1 mm
Width 1	6.5 ± 0.2 mm
Width 2	10.0 ± 0.2 mm
Grid dimension conductor/conductor	3.6 ± 0.2 mm

Printing: "sequential length in metres" "ASI-LOGO" LEONI L FLI-9Y11Y 2X2.5

Electrical data at 20°C

Conductor resistance	≤	8.2	Ohm/km
Insulation resistance	≥	1	MOhm*km
Capacitance (1 kHz)	nom.	80	nF/km
Operating voltage (peak)	≤	300	V
Test voltage (rms 50Hz 1min)		2000	V

Mechanical and thermal characteristics

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

Jacket material acc. F45052-F5100 (similar to DIN VDE 0282)

Flame retardant acc. to IEC 60332-1-2

Other characteristics:

RoHS compliant (Directive 2011/65/EC)

Reversed bending strength (horizontal on broadside)

- Bendings 8 million (must be testified)
- Maximum acceleration 4 m/s²
- Maximum horizontal speed 4 m/s
- Minimum bending radius 75 mm
- Maximum length horizontal of cable 10 m

Torsional strength for ≥ 10 million cycles (angle $\pm 180^\circ$ on 0.5 m) (must be testified)

Permissible temperature range

Transport, installation and operating: -40°C (-40°F) up to 85°C (185°F)

Min. bending radius allowed: repeated $8X \varnothing$, single $4X \varnothing$

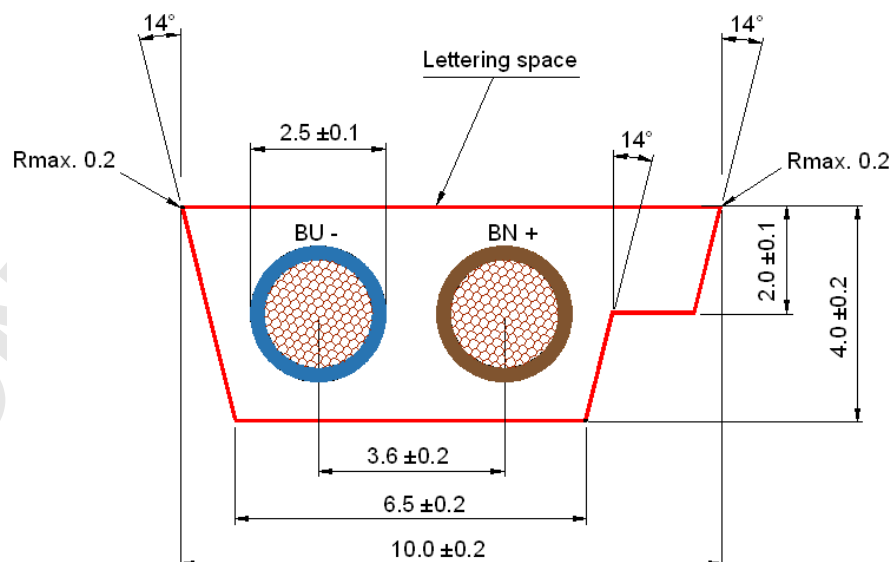
Weight about : 77 kg/km (52 lb/1000ft)

Designation of order:

L45587-M21-B208 / **219331** / 1000 m (3281 ft) on non-returnable reel

L45587-M21-B208-F2 / **219887** / 100 m (328 ft) on ring

FLI-9Y11Y 2X1X2.5 VZN SW



Other radii max. 0.3

Waviness of surface acc. DIN ISO 1101: $\square \phi 0.2$