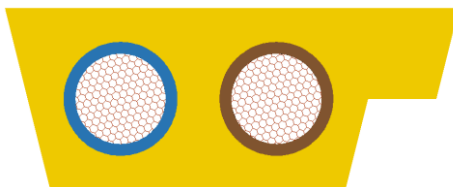


# FieldLink®

FLI-9Y11Y 2X1X2.5 VZN YE



**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) YE  
 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" **LEONI L FieldLink** \* L45587-M21-B198 \* "ASI-LOGO" Asi-5  
 FLI-9Y11Y 2X2.5 VZN "internal lot number"

**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

UL-Style 21328 (80°C/150V)

Approved for Marine and Offshore Applications

DNV : Certificate No. TAE000025U  
 RINA : Certificate No. ELE076522XG

CONFIDENTIALITY: This document and its content must be treated strictly confidential and are property of BizLink Special Cables Germany GmbH

## Other characteristics

RoHS compliant (Directive 2011/65/EU & 2015/863/EU RoHS 3)

Reversed bending strength (horizontal on broadside)

- Bendings 8 million (must be testified)
- Maximum acceleration 4 m/s<sup>2</sup>
- Maximum horizontal speed 4 m/s
- Minimum bending radius 75 mm
- Maximum length horizontal of cable 10 m

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

Permissible temperature range

Transport, installation and operating:  $-40^\circ\text{C}$  ( $-40^\circ\text{F}$ ) up to  $85^\circ\text{C}$  ( $185^\circ\text{F}$ )

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

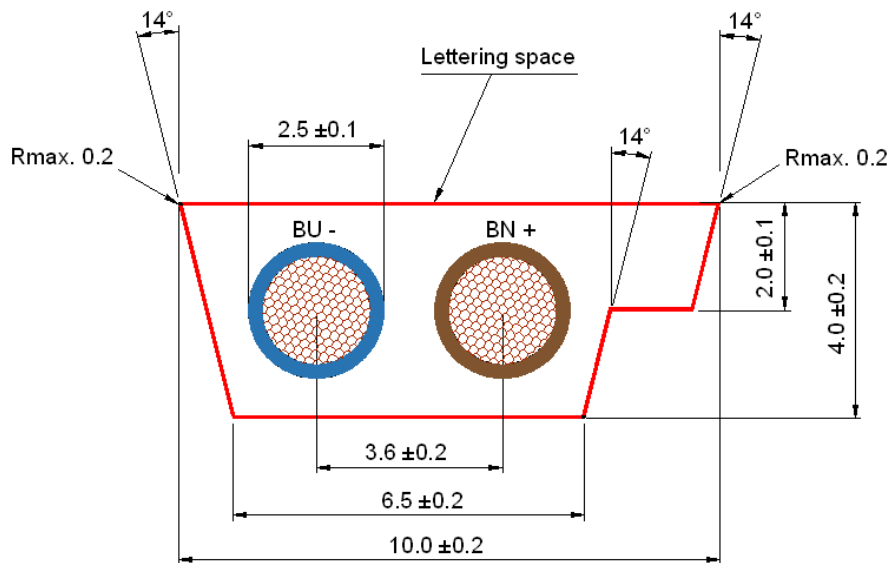
Weight about : 77 kg/km (52 lb/1000ft)

## Designation of order

L45587-M21-B198 / 218314 / 1000 m (3281 ft) on non-returnable reel

L45587-M21-B198-F2 / 219886 / 100 m (328 ft) on ring

FLI-9Y11Y 2X1X2.5 VZN GE



Other radii max. 0.3

Waviness of surface acc. DIN ISO 1101:  $\square \phi 0,2$

Product has not been tested and classified according to the CPR (EU/305/2011).  
The product shall not be permanently installed in buildings in the EU.