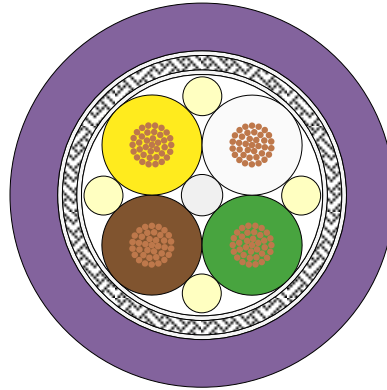


# FieldLink®

for CAN applications



## Design

### Wire

Stranded bare copper wire 37 X 0.16 (19 AWG)  
Insulation of foamed Polyethylene (PE)

∅ 1.12 mm (0,044 in dia)  
∅ 2.6 mm (0,102 in dia)

### Core

Filler as central element  
4 wires twisted to form a star-quad + fillers  
Sequence of colors: WH-GN-BN-YE  
Plastic tape, overlapped  
Shield braiding of tinned copper wires 0.15 mm dia (35 AWG)  
Coverage about 85%  
Plastic tape, overlapped

∅ 7.0 mm (0.276 in dia)

### Jacket

Polyurethane (PUR) VT

∅ (9.0 ±0.2) mm (0.354 ±0.008 in dia)

Printing: "sequential length in metres" BizLink Special Cables Germany \* CAN Cable 2x2x0.75 L45551-D14-C8 \* 19AWG (SHIELDED) (UL) E119100 CMX 75°C \* "internal lot number"

### Electrical data at 20°C

Conductor resistance	≤	26	Ohm/km
Insulation resistance	≥	10	GOhm*km
Operating voltage		300	V
Capacitance (1 kHz)	≈	40	nF/km
Characteristic impedance (1 MHz)		(120 ±12)	Ohm
Test voltage (wire/wire/screen rms 50Hz 1min)		1500	V

Frequency (MHz)	0.1	1	5	10	20
Attenuation typ. (dB/100m) (dB/100ft)	0,4 (0,1)	1,25 (0,4)	3,2 (1,0)	4,8 (1,5)	7,0 (2,1)

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## Mechanical and thermal characteristics

UL-File E119100 Vol.1 Sec.25 Page 1 (CMX)

## Other characteristics

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

Halogen free

UV-resistant

Trailing cable (must be testified)

- 5 million cycles
- bending radius 15 x max.  $\varnothing$
- acceleration 4 m/s<sup>2</sup>
- at a speed of 4 m/s

Permissible temperature range : -40 °C (-40 °F) up to 80 °C (176 °F)

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

Weight about : 100 kg/km (67 lb/1000ft)

## Designation of order

L45551-D14-C8

212954

L-02YC11Y 2X2X0.75/2.6-120 VI

1000 m (3281 ft) on non-returnable reel

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.