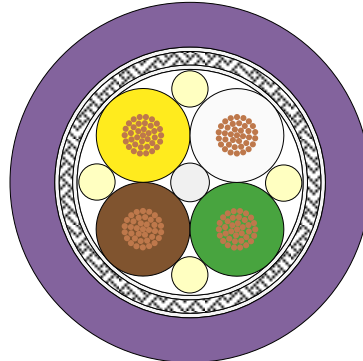


FieldLink®

for CAN applications



Design

Wire

Stranded bare copper wire 19 X 0.16 (22 AWG)
Insulation of foamed Polyethylene (PE)

∅ 0.77 mm (0,030 in)
∅ 1.8 mm (0,071 in)

Core

Filler as central element
4 wires twisted to form a star-quad
Sequence of colors: WH-GN-BN-YE
Plastic tape, overlapped
Shield braiding of tinned copper wires 0.13 mm dia (36 AWG)
Coverage about 85%
Plastic tape, overlapped

∅ 5.4 mm (0,213 in)

Jacket

Polyurethane (PUR) VT
Wall thickness about 1.0 mm

∅ (7.4 ±0.2) mm (0,291 ±0,008 in)

Printing: "sequential length in metres" BizLink Special Cables Germany * CAN Cable 2x2x0.38
L45551-P14-C8 * 22AWG (SHIELDED) (UL) E119100 CMX 75°C * "internal lot number"

Electrical data at 20°C

Conductor resistance	≤	52	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)	0,6 (0,2)	1,8 (0,5)	4,2 (1,3)	6,0 (1,8)	8,8 (2,7)

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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)

UV-resistant

Trailing cable (must be testified)

- 5 million cycles
- bending radius 15 x max. \varnothing
- acceleration 4 m/s²
- at a speed of 4 m/s

Temperature range for fixed installation : -50 °C (-58 °F) up to 80 °C (176 °F)

Temperature range for mobile operation : -30 °C (-22 °F) up to 80 °C (176 °F)

Weight about : 65 Kg/km (44 lb/1000ft)

Designation of order

L45551-P14-C8

212952

02YC11Y 1X4X0.75/1.8-120 LI 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.