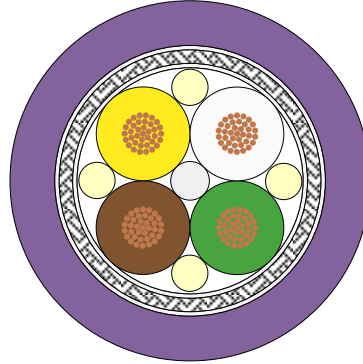


FieldLink®

for CAN applications



Design

Wire

Stranded bare copper wire 19 X 0.125 (24 AWG)
Insulation of foamed Polyethylene (PE)

∅ 0.6 mm (0.024 in)
∅ 1.4 mm (0,055 in)

Core

Filler as central element
1. layer: 4 wires
Sequence of colors: WH-GN-BN-YE
Plastic tape, overlapped
Shield braiding of tinned copper wires 0.1 mm dia (38 AWG)
Coverage about 85%
Plastic tape, overlapped

Jacket

Polyurethane (PUR) VT

∅ (6.4 ±0.2) mm (0,252 ±0,008 in)

Printing: "sequential length in metres" BizLink Special Cables Germany * CAN Cable 2x2x0.22
L45551-B14-C8 * 24AWG (SHIELDED) (UL) E119100 CMX 75°C * "internal lot number"

Electrical data at 20°C

Conductor resistance	≤	84	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)	0,75 (0,2)	2,2 (0,7)	5,2 (1,6)	7,8 (2,4)	11,4 (3,5)

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Mechanical and thermal characteristics

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

Other characteristics

RoHS compliant

UV-resistant

Trailing cable

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

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

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

Weight about : 46 Kg/km (31 lb/1000ft)

Designation of order

L45551-B14-C8

212951

L-02YC11Y 2X2X0.22/1.4-120 VI FR

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.