

FieldLink®

CAN BUS 1X2X22AWG



Design

Wire

Stranded bare copper wire 44 X 0.1 (22 AWG)
Insulation of foamed Polyethylene (PE) with skin

∅ 0.76 mm (0,030 in)
∅ 2.0 mm (0,079 in)

Core

2 wires, WH and BN twisted to a pair with fillers in gaps
Plastic tape, overlapped
Shield braiding of tinned copper wires 0.13 mm dia
Coverage about 80%

∅ 4.6 mm (0,181 in)

Jacket

Polyurethane (PUR) VT
Wall thickness about 1.1 mm

∅ (6.9 ±0.3) mm (0.272 ±0.012 in)

Printing: "sequential length in metres" BizLink Special Cables Germany * CAN Cable 1x2x0.34
L45551-P21-C8 * E130266  AWM STYLE 20351 * "internal lot number"

Electrical data at 20°C

Conductor resistance	≤	55	Ohm/km
Insulation resistance	≥	5	GOhm*km
Capacitance (1 kHz)	≈	40	nF/km
Characteristic impedance f ≥ 1 MHz		(120 ±20)	Ohm
Rel. velocity of propagation		79	%
Surface transfer impedance up to 30 MHz	≤	250	mOhm/m
Operating voltage (peak)	≤	250	V
Test voltage (wire/wire/screen rms 50Hz 1min)		1500	V

Frequency (MHz)	0.1	1	5	10	20
Attenuation typ. (dB/100m) (dB/100ft)	0,5 (0,2)	1,5 (0,5)	4 (1,2)	6,6 (2,0)	9 (2,7)

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

Mechanical and thermal characteristics

Conductor material acc. to DIN EN 13602 Cu-ETP-A...

Screen material acc. to DIN EN 13602 Cu-ETP-A...-B

Insulating material acc. to DIN EN 50290-2-23 (VDE 0819), table 2/A (HD 624.3)

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

Oil resistant acc. to IEC 60811-2-1

Flame retardant acc. to IEC 60332-1

UL-Style 20351

Other characteristics

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 : 52 Kg/km (35 lb/1000ft)

Application / Special feature:

Cable for high flexible installation

Designation of order

L45551-P21-C8

205160

L-02YSC11Y 1X2X0.34/2.0-120 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.