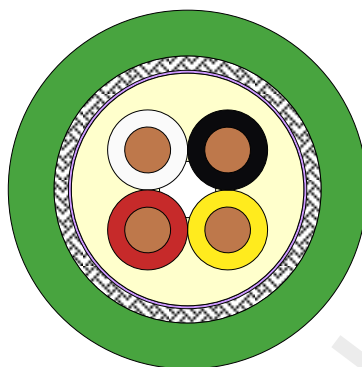


FieldLink®

J-HH(ST)CH 2X2X0.8 GN FRNC



Design

Wire

Bare copper wire (21 AWG)
Insulation of Polyethylene (PE)

∅ 0.8 mm (0.031 in dia)
∅ 1.4 mm (0.055 in dia)

Core

4 wires twisted WH-BK-YE-RD
Plastic tape overlapped
I-Jacket: Thermoplastic copolymer (FRNC)
Alulaminat foil overlapped, applied longitudinally
Shield braiding of tinned copper wires
Coverage about 85%

∅ 4.3 mm (0.169 in dia)
∅ 4.7 mm (0.185 in dia)

Jacket

Thermoplastic copolymer (FRNC) GN

∅ (6.3 ±0.3) mm (0.248 ±0.012 in dia)

Printing: "sequential length in metres" BizLink Special Cables Germany **FieldLink®** KNX (EIB) ES * J-HH(ST)CH 2x2x0.8 FRNC DoP CDEFR0000023 B2ca s1 d1 a1 * "internal lot number"

Electrical data at 20°C

Conductor resistance	≤	37	Ohm/km
Insulation resistance	≥	100	MOhm*km
Insulation resistance (at 70°C)	≥	0.011	MOhm*km
Operating voltage (U#/U)		250/250	V
Capacitance (wire/wire) 1 kHz	≤	90	pF/m

Frequency (MHz)	0.001	0.01	0.1	1.0
Attenuation (dB/100m) ≤	1.4	3.1	8.2	20
Near crosstalk (dB) ≥	80	70	60	50
Impedance (Ohm)	430 ±50	150 ±20	100 ±15	80 ±15

Test voltage

wire and screen/cable surface rms 50Hz 1min	4	kV
wire and screen/cable surface rms 50Hz 5min	2.5	kV
wire/wire rms 50Hz 1min	1	kV
wire/screen rms 50Hz 1min	500	V

Mechanical and thermal characteristics

Conductor material acc. to DIN EN 13602 Cu-ETP-A...
Insulating material acc. to DIN EN 50290-2-23 (VDE 0819), table L/MD (HD 624.3) (2Y)
Jacket material acc. to DIN EN 50290-2-27 (HD 624.7)
Flame retardant acc. to IEC 60332-1-2
Flame retardant acc. to IEC 60332-3-22 (Cat. A)

Other characteristics

RoHS compliant (Directive 2011/65/EU & 2015/863/EU RoHS 3)
Halogen free acc. to IEC 60754

CPR

Fire Class acc. to EN 13501-6	B2ca s1d1a1
Harmonized Standard	EN 50575
No. of Declaration of Performance (DoP)	CDEFR0000023

Permissible temperature range

Transport and fixed installation: -50 °C (-58 °F) up to 80 °C (176 °F)
Installation and flexible use : -40 °C (-40 °F) up to 80 °C (176 °F)

Tensile stress	: ≤ 140 N
Min. bending radius allowed	: repeated 8X ø, single 4X ø
Weight about	: 76 kg/km (50,9 lb/1000ft)

Designation of order

L45480-F26-C77
234098
J-HH(ST)CH 2X2X0.8 GN FRNC
1000 m (3281 ft) on non-returnable reel