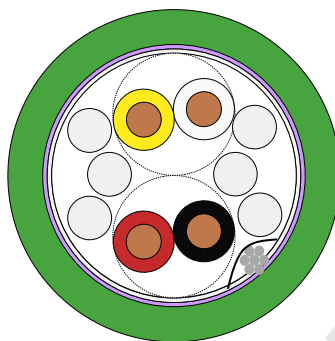


# FieldLink®



### Design

#### Wire 2Y 0.8/1.4

Bare copper wire

Insulation of Polyethylene (PE)

Wall thickness about 0.3 mm

∅ 0.8 mm (0,031 in)

∅ 1.4 mm (0,055 in)

2 wires twisted to a pair

∅ 2.8 mm (0.110 in)

#### Core:

2 pairs 2Y 2X1X0.8/1.4 (length of lay =5/m)

fillers

Sequence of colors: BK/RD-WH/YE

Plastic tape, overlapped

Stranded drain wire 0.14 mm<sup>2</sup> (7X0.16) tinned

Alulaminat foil overlapped

∅ 4.7 mm (0.185 in)

#### Jacket:

Thermoplastic copolymer (FRNC) GN

Wall thickness about 0.8 mm

∅ (6.3 +0.4 -0.2) mm (0,248 +0,016 -0,008 in)

Printing: EIB halogenfrei FRNC

Textintervals about 500 mm

#### 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<sub>0</sub>/U)

250/250 V

Capacitance (wire/wire) 1 kHz

≤ 90 pF/m

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

Near-end crosstalk attenuation

1 KHz	≥	80	dB
10 KHz	≥	70	dB
100 KHz	≥	60	dB

### 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

### Application / Special feature:

RoHS compliant (Directive 2011/65/EC)

Halogen free acc. to IEC 60754

Permissible temperature range : -40°C (-104°F) up to +70°C (+158°F)

min. bending diameter allowed: multiple 20X  $\emptyset$   
single 10X  $\emptyset$

Tensile stress : ≤ 140 N

Weight about : 42 Kg/km (29 lb/1000ft)

### Designation of order:

V45493-D49-A159 1000 m (3281 ft) on non-returnable reel

V45493-D49-A159-M9 1000 m (3281 ft) on non-returnable reel (fitted length)

V45493-D49-A159-F2 100 m ( 328 ft) on ring

J-H(ST)H 2X2X0.8 FRNC GN