

Design

Wire 2Y 0.8/1.4

Bare copper wire

ø 0.8 mm (0,031 in)

Insulation of Polyethylen (PE)

ø 1.4 mm (0,055 in)

Wall thickness about 0.3 mm

2 wires twisted to a pair

ø 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 laminate, overlapped

Stranded drain wire 0.14 mm² (7X0.16) tinned

Alulaminat foil overlapped

ø 4.7 mm (0.185 in)

Jacket:

Thermoplastic copolymer (FRNC) GN

Wall thickness about 0.8 mm

ø (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 (U0/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 characteristic

Insulating material acc. to DIN VDE 0819, part 103, table 1-L/MD (HD 624.3)

Jacket material acc. to DIN VDE 0819 part 107 (HD 624.7)

Conductor material acc. to DIN 40500 part 4, E-Cu58 F21

Flamtest acc. to IEC 60332-1

LEONI Special Cables GmbH

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Application / Special feature:

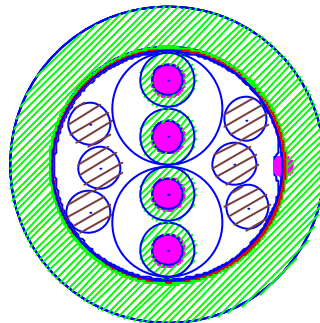
Permissible temperature range : -40°C (-104°F) up to +70°C (+158°F)
 min. bending diameter allowed: multiple 20X \varnothing
 single 10X \varnothing

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-F2 100 m (328 ft) on ring

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



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