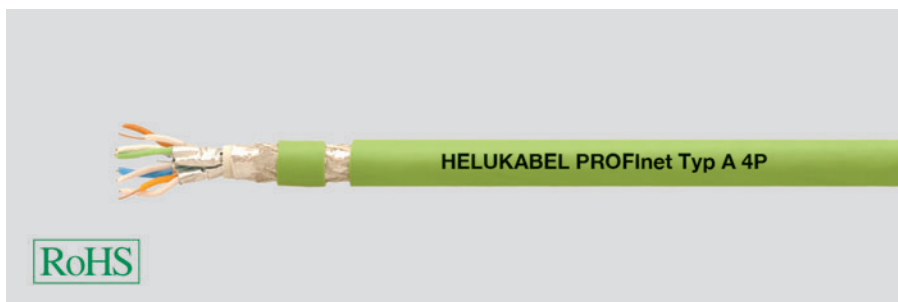
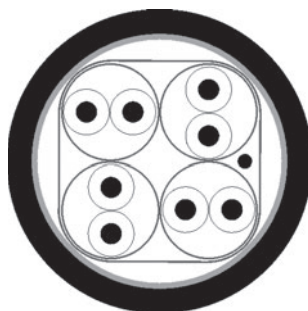


Industrial Ethernet

10GIG

HELUKAT® 500IND

S-STP, Category 6A



new

Cable structure

Inner conductor diameter:

Conductor material:

Core insulation:

Core colours:

Shielding 1:

Inner sheath material:

Screen over stranding element:

Total shielding:

Outer sheath material:

Outer diameter:

Outer sheath colour:

2x2x0.64 mm

0,65 mm

Copper, bare

Foam-skin-PE

whbu/bu, whog/og, whgn/gn, whbn/bn

Polyester foil over stranded bundle

PVC

Polyester foil, aluminium-lined

Foil + braid

PVC

approx. 9,6 mm

Green similar to RAL 6018

Electrical data

Characteristic impedance:

100 Ohm $\pm$ 15 ohm at 1 to 100 MHz

100 Ohm $\pm$ 20 Ohm at 101 to 500 MHz

59 Ohm/km

Conductor resistance, max.:

Insulation resistance, min.:

0,5 GOhm x km

Loop resistance:

118 Ohm/km max.

Mutual capacitance:

72 nF/km nom.

Test voltage:

0,7 kV

Rel. propagation velocity:

62 %

Typical values

Frequency	(MHz)	10	16	62,5	100	250	500
Attenuation	(db/100m)	5,9	7,5	15,0	19,1	31,1	45,3
Next	(dB)	60,3	57,2	48,4	45,3	39,3	34,3
PSNext	(dB)	57,3	54,2	45,4	42,3	36,3	31,8

Technical data

Weight:

approx. 115 kg/km

Min. bending radius for laying:

80 mm

Operating temperature range min.:

-40°C

Operating temperature range max.:

+70°C

Caloric load, approx. value:

1,69 MJ/m

Copper weight:

44,00 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 6A,

Flame-retardant acc. to IEC 60332-3, CM 75°C or PLTC

Application

Part no.

803693, INDUSTRIAL ETHERNET CAT.6A 10GIG

Dimensions and specifications may be changed without prior notice.

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