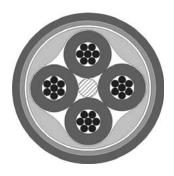
Industrial Ethernet



RoHS

PROFInet Type B + C

HELUKABEL PROFInet Typ C



Type Cable structure

Inner conductor diameter:

Core insulation:

Core colours:

Stranding element:

Shielding 1: Shielding 2:

Total shielding:

Inner sheath material: Outer sheath material: Cable external diameter:

Outer sheath colour:

Electrical data

Characteristic impedance: Conductor resistance: Insulation resistance: Mutual capacitance: Test voltage:

Mobile use 2x2x0,64 mm (stranded) Copper, tinned (AWG 22/7)

wh, ye, bu, og Star quad

Polyester foil over stranded bundle Polyester foil, aluminium-lined

Cu braid, tinned

PVC PVC

> approx. $6.5 \text{ mm} \pm 0.2 \text{ mm}$ Green similar to RAL 6018

100 Ohm ± 15 ohm at 1 to 100 MHz 62,0 0hm/km max. 0,50 G0hm x km min. 52.0 nF/km nom.

2,0 kV

Drag chain applications 2x2x0.64 mm (stranded)

Copper. tinned (AWG 22/7)

PF

wh, ye, bu, og Star quad

HELUKABEL PROFInet Typ B

Polyester foil over stranded bundle

Polyester foil, aluminium-lined

Cu braid, tinned

FRNC PUR

approx. $6.5 \text{ mm} \pm 0.2 \text{ mm}$ Green similar to RAL 6018

100 Ohm ± 15 ohm at 1 to 100 MHz 60,0 0hm/km max. 0,50 G0hm x km min. 52.0 nF/km nom.

0,7 kV

Typical values

Frequency	(MHz)	10	16	62,5	100	
Attenuation	(dB/100m)	6,0	7,6	16,0	21,0	
Next	(db)	70,0	65,0	55,0	50,0	
ACR	(db)	64.0	57.4	39.0	29.0	

Technical data

Weight: Min. bending radius for laying: Operating temperature range min.: Operating temperature range max.:

Caloric load, approx. value:

Copper weight:

approx. 67,0 kg/km

46.0 mm -40°C +70°C

0.32 MJ/m 32,0 kg/km approx. 61,0 kg/km

50.0 mm -40°C +70°C 0.85 MJ/m 32,0 kg/km

Norms

Applicable standards:

UL Style:

PROFInet Draft

CMG 60°C or PLTC or AWM 20201

CSA FT 4

PROFInet Draft CMX 75°C (shielded)

Application

CSA standard:

This copper data cable, designed especially for heavy-duty industrial applications is very well suited for Ethernet applications. It ensures superiour transmission properties and can be used even under most severe conditions. The lines specified here corresponds the PROFInet types B and C. i.e. they are designed for flexible and highly flexible applications, such as drag chains,

Part no.

800654, PROFInet type B (SK)

800655, PROFInet type C (SK)

Dimensions and specifications may be changed without prior notice.





