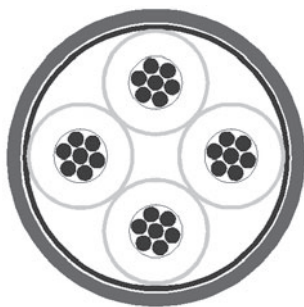


Industrial Ethernet

DRAG CHAIN ECO

HELUKAT® 100S

S-FTP 4-Core, Category 5e



Type

Cable structure

Inner conductor diameter:
Core insulation:
Core colours:
Stranding element:
Shielding 1:
Shielding 2:
Total shielding:
Outer sheath material:
Cable external diameter:
Outer sheath colour:

Drag chain applications

4x1x0.15 mm² (stranded)

Copper, bare (AWG 26/19)
PP
whbl, bl, whor, or
Star quad
Polyester foil over stranded bundle
PETP fleece
Foil + braid
PUR
approx. 4,8 mm ± 0,3 mm
Green

Electrical data

Characteristic impedance:
Insulation resistance, min.:
Loop resistance:
Mutual capacitance:
Test voltage:

100 Ohm ± 15 ohm at 1 to 100 MHz
0,15 GOhm x km
250 Ohm/km max.
51 nF/km nom.
0,7 kV

Typical values

Frequency	(MHz)	10	16	62,5	100	155
Attenuation	(db/100m)	9,9	12,3	25,6	33,0	41,0
Next	(db)	47,0	44,0	35,0	32,0	30,0

Technical data

Weight: approx. 30 kg/km
Min. bending radius for laying: 72 mm
Operating temperature range min.: -40°C
Operating temperature range max.: +80°C
Caloric load, approx. value: 0,37 MJ/m
Copper weight: 17,00 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 5e, Flame-retardant acc. to IEC 60332-1, Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2-3, AWM 20963 (80°C/30V)

Application

This copper data cable, designed especially for heavy-duty industrial applications (Industrial Ethernet), is very well suited for manufacturing of RJ45 and 15 or 9-Pin Sub-D plugs. With its PUR sheath, it is also suitable for the application in drag chains.

Part no.

82838, INDUSTRIAL ETHERNET CAT.5e

Dimensions and specifications may be changed without prior notice.

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