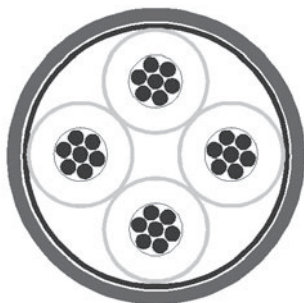


Industrial Ethernet

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: 100 Ohm ± 15 ohm at 1 to 100 MHz
Insulation resistance, min.: 0,15 GOhm x km
Loop resistance: 250 Ohm/km max.
Mutual capacitance: 51 nF/km nom.
Test voltage: 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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