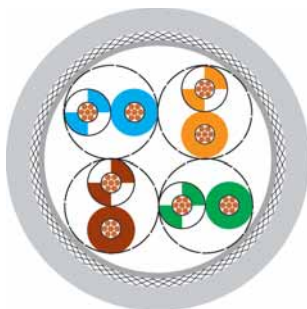


Industrial Ethernet

ROBUSTFLEX

HELUKAT® 200IND

SF/UTP, Category 5e



Type

Cable structure

Inner conductor diameter:
Core insulation:
Core colours:
Stranding element:
Separator:
Shielding 1:
Screen 1 over stranding:
Screen 2 over stranding:
Outer sheath material:
Cable external diameter:
Outer sheath colour:

Industrial Patch Cables

SF/UTP 4x2xAWG 26/7 PUR

Copper, bare (AWG 26/7)
PO
whbu/bu, whog/og, whgn/gn, whbn/bn
Double core
Polyester foil over stranded bundle
-
Al-Foil
Cu braid
PUR
app. 5,8 mm
Grey similar to RAL 7035

Electrical data

Characteristic impedance:

Loop resistance:
Mutual capacitance:
Relative propagation velocity:

100 Ohm \pm 15 Ohm at 1 to 100 MHz
100 Ohm \pm 20 Ohm at 101 to 200 MHz
260 Ohm/km max.
47 nF/km nom.
74 %

Typical values

Frequency (MHz)	10	16	62,5	100	200
Attenuation (dB/10m)	0,8	1,1	2,4	2,9	4,3
Next (db)	58,0	56,0	45,0	43,0	37,0
ACR (db)	57,2	54,9	42,6	40,1	32,7

Technical data

Weight: app. 44 kg/km
bending radius, repeated: 46 mm
Operating temperature range min.: -40°C
Operating temperature range max.: +80°C
Caloric load, approx. value: 0,54 MJ/m
Copper weight: 24,00 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 60332-1-2, Halogen-free acc. to 60754-1, Oil-resistant, AWM Style 21576 1000V

Application

HELUKAT® 200IND Category 5e Robustflex is used in harsh industrial surroundings and characterized by high reserve capacity and outstanding performance. Mechanically, the halogen-free PU outer sheath makes it ideal for harsh industrial surroundings. This cable is configurable with common RJ45 plugs (industrial and office version), as well as with various Sub-D and M12 plugs.

Part no.

800068, SF/UTP 4x2xAWG 26/7 PUR (S-FTP)

Dimensions and specifications may be changed without prior notice.