

Industrial Ethernet

ROBUSTFLEX

HELUKAT® 600IND

S/FTP, Category 7



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

S/FTP 4x2xAWG 26/7 PUR

Copper, bare (AWG 26/7)
Foam-skin-PE
wh/bu, wh/og, wh/gn, wh/bn
Double core
-
Al-Foil
Cu braid
-
PUR
app. 6,4 mm ± 0,3 mm
Green similar to RAL 6018

Electrical data

Characteristic impedance:

Loop resistance:
Mutual capacitance:
Relative propagation velocity:

100 Ohm ± 15 Ohm at 1 to 100 MHz
100 Ohm ± 20 Ohm at 101 to 600 MHz
290 Ohm/km max.
42 nF/km nom.
64 %

Typical values

Frequency (MHz)	10	16	62,5	100	200	600
Attenuation (db/100m)	8,4	10,4	20,5	26,2	38	67,8
PS Next (db)	95	95	90	90	85	73
PS ACR (db)	86,6	84,6	69,5	63,8	47,0	5,2

Technical data

Weight: app. 48 kg/km
bending radius, repeated: 64 mm
Operating temperature range min.: -40°C
Operating temperature range max.: +80°C
Caloric load, approx. value: 0,45 MJ/m
Copper weight: 28,00 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 7, Flame-retardant acc. to IEC 60332-1-2, Halogen-free acc. to 60754-1, Oil-resistant, AWM 20963 (80°C/30V)

Application

HELUKAT®600IND Category 7 Robustflex is an Ethernet cable that is ideal for harsh industrial surroundings thanks to use of a halogen-free PU outer sheath. This cable is configurable with common RJ45 plugs (industrial and office version), as well as with some Sub-D and M12 plugs.

Part no.

802184, S/FTP 4x2xAWG 26/7 PUR (S-STP)

Dimensions and specifications may be changed without prior notice.

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