Industrial Ethernet
ROBUSTFLEX

HELUKAT® 600IND

S/FTP, Category 7
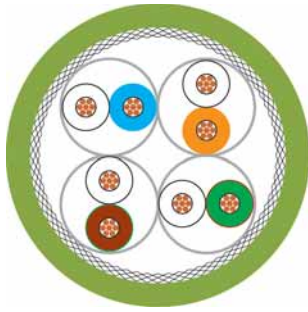
Type
Cable structure

Industrial Patch Cables
S/FTP 4x2xAWG 26/7 PUR

Inner conductor diameter:	Copper, bare (AWG 26/7)
Core insulation:	Foam-skin-PE
Core colours:	wh/bu, wh/og, wh/gn, wh/bn
Stranding element:	Double core
Separator:	-
Shielding 1:	Al-Foil
Screen 1 over stranding:	Cu braid
Screen 2 over stranding:	-
Outer sheath material:	PUR
Cable external diameter:	app. 6,4 mm ± 0,3 mm
Outer sheath colour:	Green similar to RAL 6018

Electrical data

Characteristic impedance:	100 Ohm ± 15 Ohm at 1 to 100 MHz
	100 Ohm ± 20 Ohm at 101 to 600 MHz
Loop resistance:	290 Ohm/km max.
Mutual capacitance:	42 nF/km nom.
Relative propagation velocity:	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.