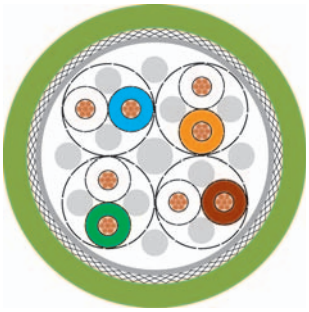
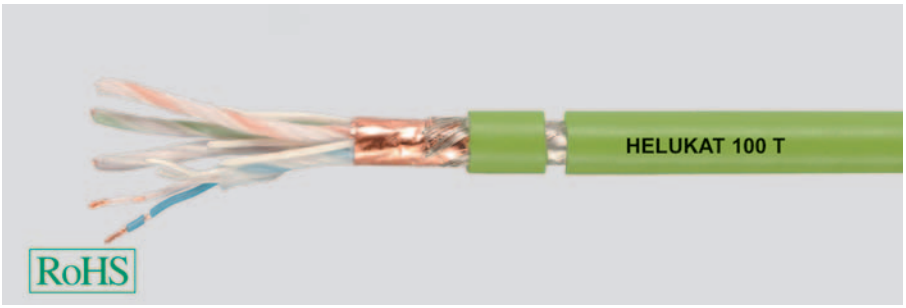
Industrial Ethernet

TORDIERFLEX

HELUKAT® 100T

SF/UTP, Category 5





Type

Torsion Patch Cables

Cable structure

SF/UTP 4x2xAWG 26/19 PUR (stranded)

Inner conductor diameter:	Copper, bare (AWG 26/19)
Core insulation:	PP
Core colours:	wh/bu, wh/og, wh/gn, wh/bn
Stranding element:	Double core
Shielding 1:	Polyester foil over stranded bundle
Shielding 2:	-
Screen 1 over stranding:	Polyester foil copper, bare
Screen 2 over stranding:	Cu braid
Outer sheath material:	PUR
Cable external diameter:	approx. 7,5 mm
Outer sheath colour:	Green similar to RAL 6018

Electrical data

Characteristic impedance:	100 Ohm ± 15 ohm at 1 to 100 MHz
Loop resistance:	260 Ohm/km max.
Mutual capacitance:	50 nF/km nom.
Relative propagation velocity:	68 %

Typical values

Frequency	(MHz)	10	16	62,5	100
Attenuation	(dB/10m)	1,3	1,6	3,2	4,0
Next	(db)	47,0	44,0	35,0	32,0
ACR	(db)	45,7	42,4	31,8	28,0

Technical data

Weight:	approx. 63 kg/km
bending radius, repeated:	80 mm
Operating temperature range min.:	-40°C
Operating temperature range max.:	+80°C
Caloric load, approx. value:	1,234 MJ/m
Copper weight:	29,50 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 5, Flame-retardant acc. to IEC 60332-1, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2, Oil-resistant, AWM 20963 (80°C/30V)

Application

HELUKAT®100T TORDIERFLEX data cables were designed for the most extreme requirements in the industry and other heavy-duty environments in torsion applications. They are characterized by large performance reserves and outstanding performance, even under extreme conditions. Long mechanical service life is also ensured due to a thought-out design. These lines are manufacturable with conventional Sub-D plugs or with various RJ45 plugs.

Part no.

800067, SF/UTP 4x2xAWG 26/19 PUR (S-FTP)

Dimensions and specifications may be changed without prior notice.