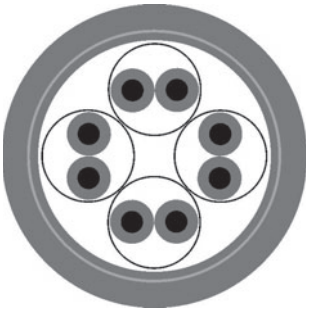
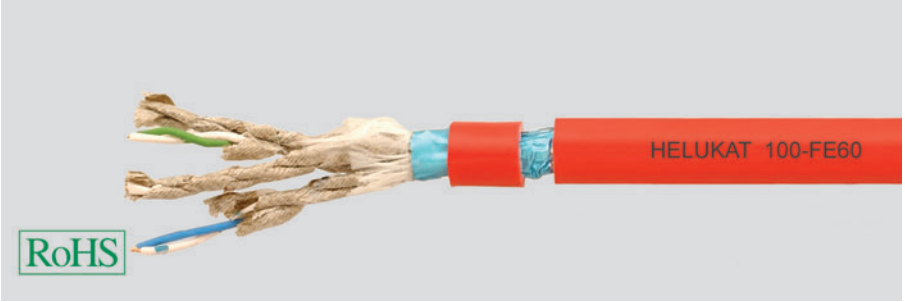
LAN Cables

Category 5

HELUKAT® 100

FTP FE60



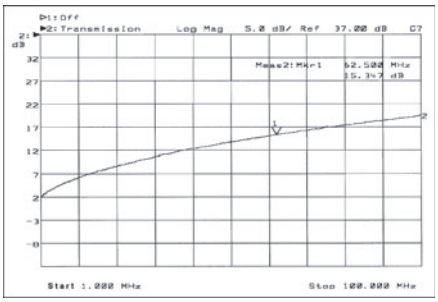


new

Cable structure

F-FTP 4x2xAWG 24/1 FR-0H

Inner conductor diameter:	0,51 mm
Conductor material:	Copper, bare
Core insulation:	PE + flame resistant tape
Core colours:	whbu/bu, whog/og, whgn/gn, whbn/bn
Shielding 1:	Polyester foil over stranded bundle
Screen over stranding element:	-
Screen 1 over stranding:	-
Screen 2 over stranding:	Polyester foil, aluminium-lined
Outer sheath material:	LSZH
Outer diameter:	approx. 8,3 mm
Outer sheath colour:	Red



Electrical data

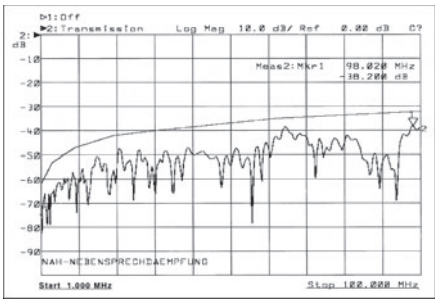
Characteristic impedance:	100 Ohm ± 15 ohm at 1 to 100 MHz
Loop resistance:	182 Ohm/km max.
Mutual capacitance:	53 nF/km nom.
Rel. propagation velocity:	67 %

Typical values

Frequency	(MHz)	10	16	62,5	100
Attenuation	(dB/100m)	5,7	7,3	14,9	19,3
Next	(db)	56,0	53,0	42,0	38,0
ACR	(db)	50,3	45,7	27,1	18,7

Technical data

Weight:	approx. 90 kg/km
Min. bending radius for laying:	130 mm
Operating temperature range min.:	-20°C
Operating temperature range max.:	+70°C
Caloric load, approx. value:	0,91 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 5, Flame-retardant acc. to IEC 60332-3, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2-3

Application

HELUKAT®100-FE60 data cables are used in the tertiary, but also in the secondary level of a network. They are characterized by large performance reserves and outstanding performance. They can be used to implement services such as Fast Ethernet, Ethernet, ATM155, FDDI, token ring 4/16 Mbit/s, or ISDN absolutely trouble-free. Likewise, the thermal characteristics are perfectly suited to realize an isolation integrity according EN50200-FE60 due to their optimized construction.

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Part no.

804045, F-FTP 4x2xAWG 24/1 FR-0H

Dimensions and specifications may be changed without prior notice.