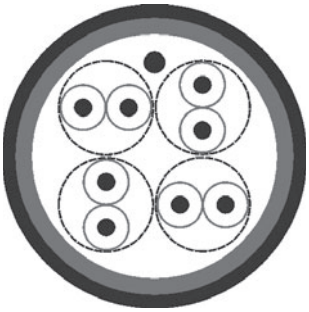
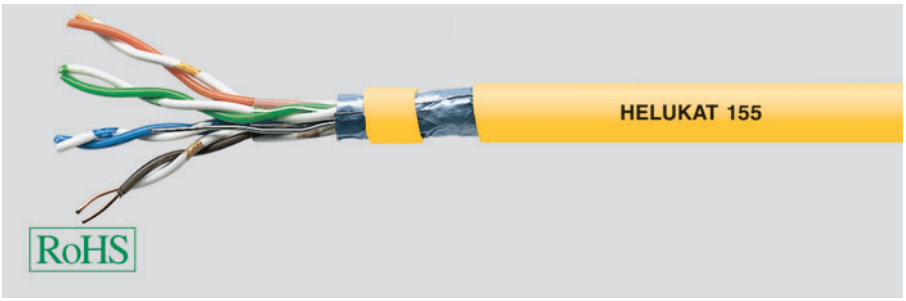
LAN Cable

Category 5e

HELUKAT® 155

FTP

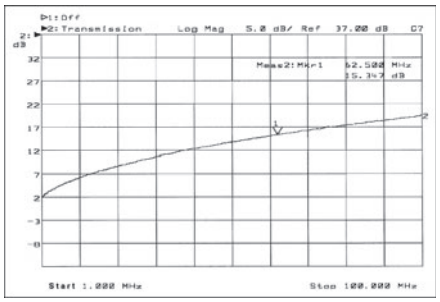




Cable structure

FTP 4x2xAWG 24/1 PVC

Inner conductor diameter:	0,51 mm
Conductor material:	Copper, bare
Core insulation:	PE
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:	Polyester foil, aluminium-lined
Screen 2 over stranding:	-
Outer sheath material:	PVC
Outer diameter:	approx. 5,9 mm
Outer sheath colour:	Yellow similar to RAL 1021



Electrical data

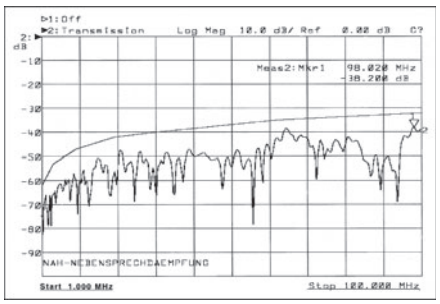
Characteristic impedance:	100 Ohm ± 15 ohm at 1 to 100 MHz
Loop resistance:	170 Ohm/km max.
Mutual capacitance:	50 nF/km nom.
Rel. propagation velocity:	69 %

Typical values

Frequency	(MHz)	10	16	62,5	100	155
Attenuation	(dB/100m)	5,9	7,6	15,7	20,3	22,0
Next	(db)	59,0	53,0	44,0	40,0	40,0
ACR	(db)	53,1	45,4	28,3	19,7	18,0

Technical data

Weight:	approx. 40 kg/km
Min. bending radius for laying:	48 mm
Operating temperature range min.:	-20°C
Operating temperature range max.:	+60°C
Caloric load, approx. value:	0,40 MJ/m
Copper weight:	18,00 kg/km



Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 5e

Application

HELUKAT®155 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 mechanical characteristics are perfectly suited for the application in tight cable channels and platforms due to their optimized construction.

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Part no.

80043, FTP 4x2xAWG24/1 PVC (F/UTP)

Dimensions and specifications may be changed without prior notice.