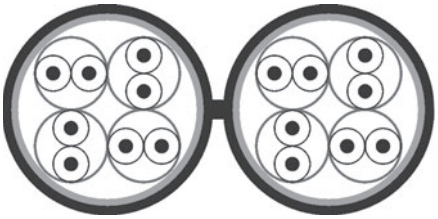
LAN Cable

Category 7e

HELUKAT® 1200

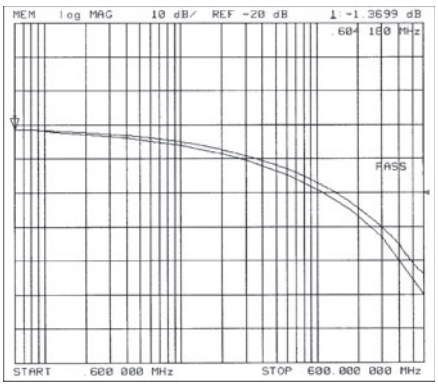
S-STP duplex



Cable structure

S-STP 2x(4x2xAWG 22/1) FRNC

Inner conductor diameter:	0,64 mm
Conductor material:	Copper, bare
Core insulation:	Foam-skin-PE
Core colours:	wh/bu, wh/og, wh/gn, wh/bn
Shielding 1:	-
Screen over stranding element:	Polyester foil, aluminium-lined
Screen 1 over stranding:	Cu braid
Screen 2 over stranding:	-
Outer sheath material:	FRNC
Cable dimensions:	approx. 7,7 mm x 16,5 mm



Electrical data

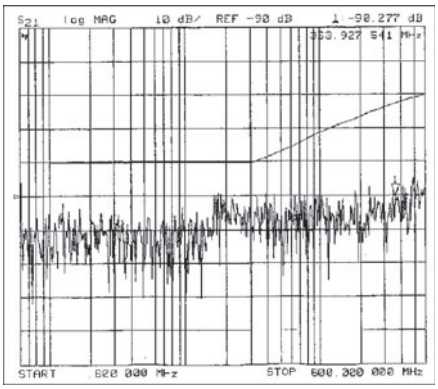
Characteristic impedance:	100 Ohm ± 15 ohm at 1 to 100 MHz 100 Ohm ± 20 ohm at 101 to 1200 MHz
Loop resistance:	120 Ohm/km max.
Mutual capacitance:	43 nF/km nom.
Rel. propagation velocity:	79 %

Typical values

Frequency	(MHz)	10	16	62,5	100	200	300	600	1000	1200
Attenuation	(dB/100m)	4,9	6,3	12,7	16,3	23,5	29,4	42,8	53,0	59,0
Next	(db)	100,0	100,0	95,0	93,0	90,0	87,0	81,0	78,0	77,0
ACR	(db)	95,1	93,7	82,3	76,7	66,5	57,6	38,2	25,0	18,0

Technical data

Weight:	approx. 133 kg/km
Min. bending radius for laying:	72 mm
Operating temperature range min.:	-20°C
Operating temperature range max.:	+60°C
Caloric load, approx. value:	1,50 MJ/m
Copper weight:	80,00 kg/km



Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 7e, 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

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Application

HELUKAT®1200 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 Gigabit Ethernet, 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.

Part no.

800647, S-STP 2x(4x2xAWG 22/1) FRNC (S/FTP)

Dimensions and specifications may be changed without prior notice.