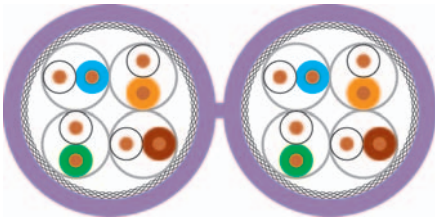


LAN Cable

Category 7e

HELUKAT® 600

S/FTP duplex



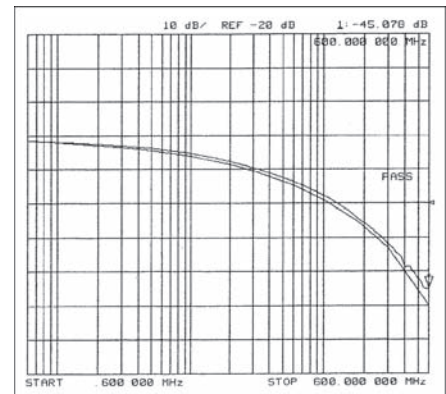
Cable structure

| | |
|--------------------------------|---------------------------------|
| Inner conductor Ø: | 0,57 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: | app. 7,5 mm x 16,0 mm |
| Outer sheath colour: | Blue Lilac similar to RAL 4005 |

S/FTP 2x(4x2xAWG 23/1) FRNC

Electrical data

| | |
|----------------------------|---|
| Characteristic impedance: | 100 Ohm ± 15 ohm at 1 to 100 MHz 100 Ohm ± 20 ohm at 101 to 1000 MHz |
| Loop resistance: | 169 Ohm/km max. |
| Mutual capacitance: | 43 nF/km nom. |
| Rel. propagation velocity: | 79 % |



Typical values

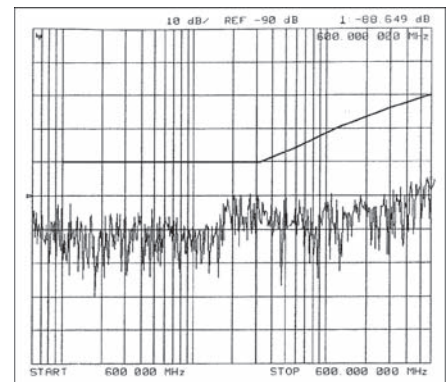
| Frequency (MHz) | 10 | 16 | 62,5 | 100 | 200 | 300 | 600 | 900 | 1000 |
|-----------------------|-------|-------|------|------|------|------|------|------|------|
| Attenuation (dB/100m) | 5,6 | 7,1 | 13,9 | 17,5 | 25,2 | 32,1 | 44,9 | 55,0 | 58,0 |
| Next (db) | 100,0 | 100,0 | 96,0 | 94,0 | 88,0 | 84,0 | 73,0 | 71,0 | 69,0 |
| ACR (db) | 94,4 | 92,9 | 82,1 | 76,5 | 62,8 | 51,9 | 28,1 | 16,0 | 9,0 |

Technical data

| | |
|-----------------------------------|----------------|
| Weight: | app. 120 kg/km |
| bending radius, repeated: | 60 mm |
| Operating temperature range min.: | -20°C |
| Operating temperature range max.: | +60°C |
| Caloric load, approx. value: | 1,20 MJ/m |
| Copper weight: | 56,00 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



Application

HELUKAT®600 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.

81446, S/FTP 2x(4x2xAWG 23/1) FRNC (S-STP)

Dimensions and specifications may be changed without prior notice.