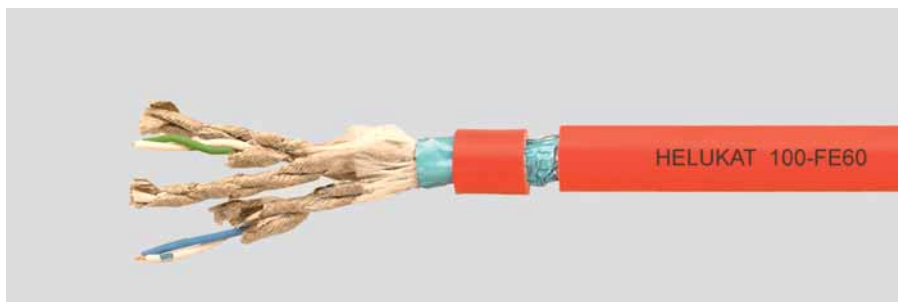


LAN Cable

Category 5

HELUKAT® 100

F/UTP PH120



Cable structure

| | |
|--------------------------------|------------------------------------|
| Inner conductor Ø: | 0,57 mm |
| Conductor material: | Copper, bare |
| Core insulation: | PO + flame resistant tape |
| Core colours: | whbu/bu, whog/og, whgn/gn, whbn/bn |
| Separator: | - |
| Screen over stranding element: | PO tape |
| Screen 1 over stranding: | Helical glasfibre tape |
| Screen 2 over stranding: | Al-Foil |
| Drain wire: | yes |
| Outer sheath material: | LSZH |
| Outer diameter: | app. 8,6 mm |
| Outer sheath colour: | Red |

F/UTP 4x2xAWG 23/1 FR-0H

Electrical data

| | |
|----------------------------|----------------------------------|
| Characteristic impedance: | 100 Ohm ± 15 Ohm at 1 to 100 MHz |
| Loop resistance: | 188 Ohm/km max. |
| Mutual capacitance: | 65 nF/km nom. |
| Rel. propagation velocity: | 67 % |

Typical values

| Frequency (MHz) | 10 | 16 | 62,5 | 100 |
|-----------------------|------|------|------|------|
| Attenuation (dB/100m) | 5,9 | 7,9 | 16,3 | 21,1 |
| Next (db) | 58,0 | 51,0 | 41,0 | 38,0 |
| ACR (db) | 52,1 | 43,1 | 24,7 | 16,9 |

Technical data

| | |
|-----------------------------------|---------------|
| Weight: | app. 75 kg/km |
| bending radius, repeated: | 130 mm |
| Operating temperature range min.: | -20°C |
| Operating temperature range max.: | +70°C |
| Caloric load, approx. value: | 0,72 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-PH120 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 EN50289-14-16 due to their optimized construction.

Part no.

804045, F/UTP 4x2xAWG23/1 FRNC

Dimensions and specifications may be changed without prior notice.

