

Cable structure

Inner conductor diameter:
 Conductor material:
 Core insulation:
 Core colours:
 Shielding 1
 Screen over stranding element:
 Screen 1 over stranding:
 Screen 2 over stranding:
 Outer sheath material:
 Outer Ø
 Outer sheath colour:

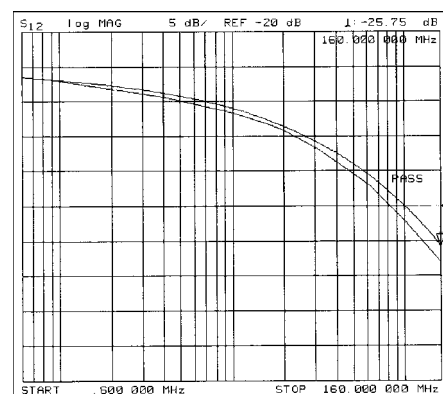
S-FTP 4x2xAWG 24/1 PVC or FRNC

0,51 mm
 Copper, bare
 Foam-skin-PE
 whbu/bu, whog/og, whgn/gn, whbn/bn
 Polyester foil over stranded bundle
 -
 Polyester foil, aluminium-lined
 Cu braid
 PVC / FRNC
 approx. 6,0 mm / approx. 6,0 mm
 Grey similar to RAL 7035

Electrical data

Characteristic impedance:
 Loop resistance:
 Mutual capacitance:
 Rel. propagation velocity:

100 Ohm ± 15 ohm at 1 to 100 MHz
 185 Ohm/km max.
 48,0 nF/km nom.
 74 %



Typical values

Frequency (MHz)	10	16	62,5	100	200
Attenuation (dB/100m)	5,6	7,2	14,4	18,2	25,9
Next (db)	62,0	59,0	50,0	46,0	40,0
ACR (db)	56,4	51,8	35,6	27,8	14,6

Technical data

Weight: 50,0 kg/km
 Min. bending radius for laying: 52 mm
 Operating temperature range min.: -20°C
 Operating temperature range max.: +60°C
 Caloric load, approx. value: 0,60 MJ/m / 0,48 MJ/m
 Copper weight: 28,00 kg/km

Norms

81610:
 Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 5e
 81609:
 Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 5e,
 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®200 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.

81610, S-FTP 4x2xAWG 24/1 PVC

81609, S-FTP 4x2xAWG 24/1 FRNC

Dimensions and specifications may be changed without prior notice.