

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:

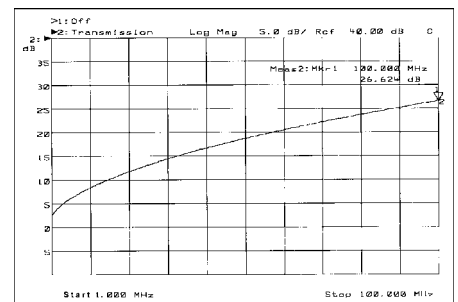
S-FTP 4x2xAWG 26/7 FRNC

0,48 mm
 Copper, bare
 PO
 whbu/bu, whog/og, whgn/gn, whbn/bn
 Polyester foil over stranded bundle
 -
 Polyester foil, aluminium-lined
 Cu braid
 FRNC
 approx. 5,3 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
 260 Ohm/km max.
 47,0 nF/km nom.
 69 %



Typical values

Frequency (MHz)	10	16	62,5	100	200
Attenuation (dB/10m)	0,8	1,1	2,4	2,9	4,3
Next (db)	58,0	56,0	45,0	43,0	37,0
ACR (db)	57,2	54,9	42,6	40,1	32,7

Technical data

Weight: 35,00 kg/km
 Min. bending radius for laying: 46 mm
 Operating temperature range min.: -20°C
 Operating temperature range max.: +60°C
 Caloric load, approx. value: 0,543 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 5e,
 Flame-retardant acc. to IEC 60332-1, 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 level of a network as patch cables and connection cables. 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. With its optimized construction, the HELUKAT®200 series can be manufactured quickly and easily with all common RJ45 plugs.

Part no.

81254, S-FTP 4x2xAWG 26/7 FRNC

Dimensions and specifications may be changed without prior notice.

