

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:

Cable dimensions:

Outer sheath colour:

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

0,64 mm

Copper, bare

Foam-skin-PE

wh/bu, wh/og, wh/gn, wh/bn

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Polyester foil, aluminium-lined

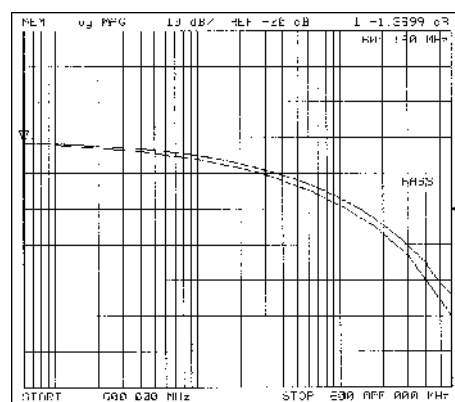
Cu braid

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FRNC

approx. 7,7 mm x 16,5 mm

Blue similar to RAL 5015



Electrical data

Characteristic impedance:

100 Ohm \pm 15 ohm at 1 to 100 MHz

100 Ohm \pm 20 ohm at 101 to 1200 MHz

Loop resistance:

120 Ohm/km max.

Mutual capacitance:

43,00 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:

133,0 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:

1,5 MJ/m

Copper value:

74,0 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 8,

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®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

