

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:

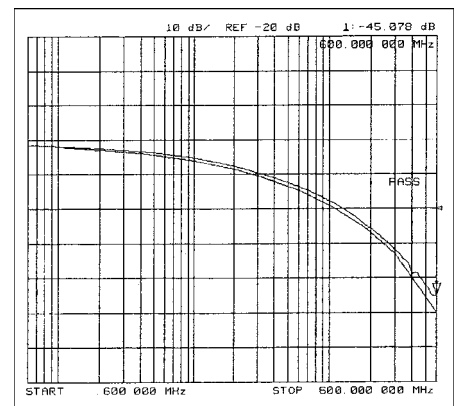
S-STP 4x2xAWG 26/7 FRNC

0,48 mm
 Copper, bare
 Foam-skin-PE
 wh/bu, wh/og, wh/gn, wh/bn
 -
 Polyester foil, aluminium-lined
 Cu braid
 -
 FRNC
 approx. 5,9 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
 100 Ohm ± 20 ohm at 101 to 600 MHz
 264 Ohm/km max.
 45,0 nF/km nom.
 77 %



Typical values

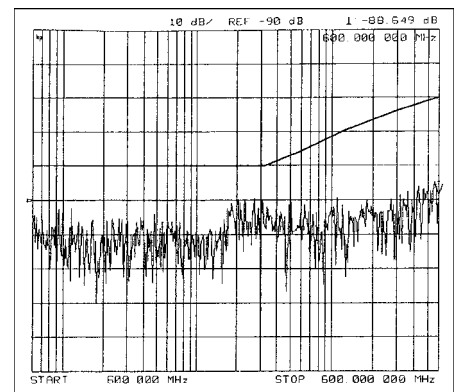
Frequency (MHz)	10	16	62,5	100	200	300	600
Attenuation (dB/10m)	0,8	1,0	2,0	2,6	4,0	4,9	6,3
Next (db)	96,0	96,0	95,0	94,0	88,0	86,0	80,0
ACR (db)	95,2	95,0	93,0	91,4	84,0	81,1	73,7

Technical data

Weight: 42,00 kg/km
 Min. bending radius for laying: 55 mm
 Operating temperature range min.: -20°C
 Operating temperature range max.: +60°C
 Caloric load, approx. value: 0,47 MJ/m
 Copper weight: 22,0 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 7,
 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®600 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®600 series can be manufactured quickly and easily with all common RJ45 plugs.

Part no.

80294, S-STP 4x2xAWG 26/7 FRNC

Dimensions and specifications may be changed without prior notice.