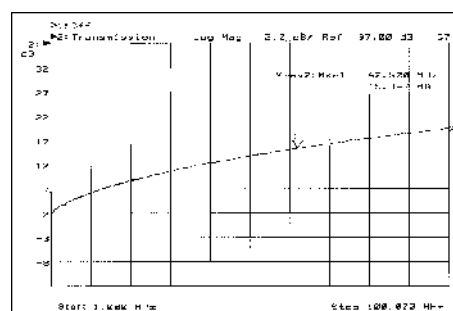


Cable structure

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:

FTP 4x2xAWG 24/1 PVC

0,51 mm
Copper, bare
PE
whbu/bu, whog/og, whgn/gn, whbn/bn
Polyester foil over stranded bundle
-
Polyester foil, aluminium-lined
-
PVC
approx. 5,9 mm
Yellow similar to RAL 1021



Electrical data

Characteristic impedance: 100 Ohm \pm 15 ohm at 1 to 100 MHz
Loop resistance: 170 Ohm/km max.
Mutual capacitance: 50,0 nF/km nom.
Rel. propagation velocity: 69 %

Typical values

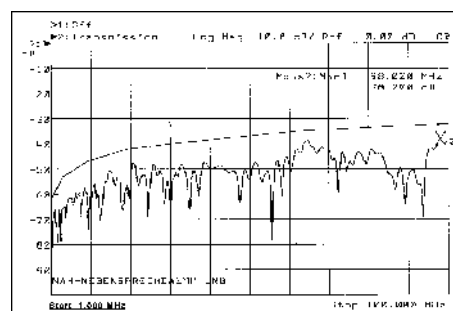
Frequency (MHz)	10	16	62,5	100	155
Attenuation (dB/100m)	5,9	7,6	15,7	20,3	22,0
Next (db)	59,0	53,0	44,0	40,0	40,0
ACR (db)	53,1	45,4	28,3	19,7	18,0

Technical data

Weight: 40,0 kg/km
Min. bending radius for laying: 48 mm
Operating temperature range min.: -20°C
Operating temperature range max.: +60°C
Caloric load, approx. value: 0,4 MJ/m
Copper value: 18,0 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 5e



Application

HELUKAT®155 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 mechanical characteristics are perfectly suited for the application in tight cable channels and platforms due to their optimized construction.

Part no.

80043, FTP 4x2xAWG24/1 PVC