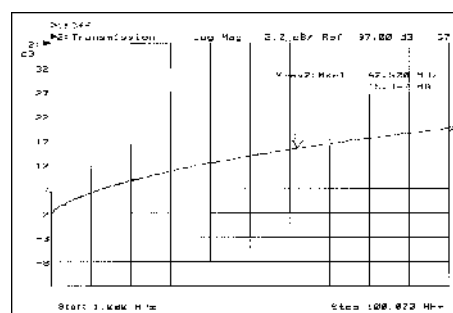


Cable structure

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:

UTP 4x2xAWG 24/1 PVC

0,51 mm
 Copper, bare
 PE
 whbu/bu, whog/og, whgn/gn, whbn/bn
 -
 -
 -
 -
 PVC
 approx. 4,9 mm
 Grey



Electrical data

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

100 Ohm \pm 15 ohm at 1 to 100 MHz
 190 Ohm/km max.
 50,0 nF/km nom.
 66 %

Typical values

Frequency (MHz)	10	16	62,5	100	155
Attenuation (dB/100m)	6,3	8,0	16,5	21,3	26,8
Next (db)	50,3	47,3	38,4	35,3	33,0
ACR (db)	44,0	39,3	21,9	14,0	6,2

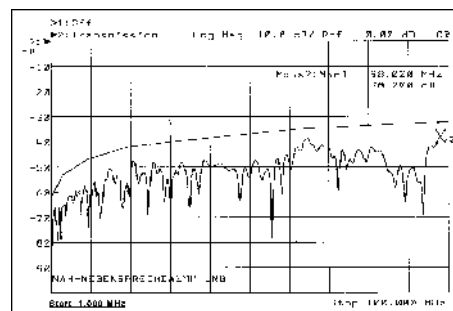
Technical data

Weight:
 Min. bending radius for laying:
 Operating temperature range min.:
 Operating temperature range max.:
 Caloric load, approx. value:
 Copper value:

26,0 kg/km
 40 mm
 -20°C
 +60°C
 0,4 MJ/m
 17,8 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.

80053, UTP 4x2xAWG24/1 PVC