



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

100 Ohm ± 15 ohm at 1 to 100 MHz
 170 Ohm/km max.
 50,0 nF/km nom.
 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 weight: 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

Dimensions and specifications may be changed without prior notice.

