



Cable structure

Inner conductor diameter:
Conductor material:
Core insulation:
Number of cores:
Core colours:
Screen over stranding element:

Screen over stranding 1:

Screen over stranding 2:

Outer sheath material:

Outer Ø:

Outer sheath colour:

Cheapernet Cable Yellow Cable

0,72 mm
Copper, tinned
Foam-skin-PE
1
White
-

Polyester foil,
aluminium-lined
Cu braid, tinned

PVC
approx. 4,6 mm
Grey

2,17 mm
Copper, bare
Foam-skin-PE
1
Transparent
Polyester foil,
aluminium-lined
Cu braid, tinned

Polyester foil,
aluminium-lined
PVC
approx. 10,3 mm
Yellow

Transceiver Cable

0,89 mm
Copper, tinned
PE
8
gn/bu, ye/og, gy/wh, rd/bk
Polyester foil,
aluminium-lined
-

Polyester foil,
aluminium-lined
PVC
approx. 10,6 mm
Grey

Electrical data

Characteristic impedance:
Mutual capacitance:
Direct current resistance:
Rel. propagation velocity:

50 Ohm
88,59 nF/km nom.
50 Ohm/km
77 %

50 Ohm
78 nF/km nom.
-
85 %

78 Ohm
64 nF/km nom.
-
66 %

Typical values

Frequency (MHz)	4	10	4	10	4	10
Attenuation (dB/100m)	1,2	1,8	3,3	4,6	4,2	6,0

Technical data

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

32,0 kg/km
69 mm
-10°C
+80°C
0,36 MJ/m
21,0 kg/km

176,0 kg/km
117 mm
-10°C
+70°C
-
128,0 kg/km

142,0 kg/km
159 mm
-10°C
+60°C
-
95,0 kg/km

Application

HELUKABEL® ETHERNET types are used as baselines (Yellow + Cheapernet) and cable connections (Transceiver or AUI) within the Ethernet wiring structure.

Part no.

80044, Cheapernet cable

80074, Yellow cable

80076, Transceiver cable