



Type

Cable structure

Inner conductor diameter 1:
 Inner conductor diameter 2:
 Core insulation 1:
 Core insulation 2:
 Core colours 1:
 Core colours 2:
 Stranding element 1:
 Shielding 1:
 Shielding 2:
 Total shielding:
 Outer sheath material:
 Cable external diameter:
 Outer sheath colour:

Mobile use

2x2x0,64 mm (stranded)+ 4x1,5qmm

Copper, tinned (AWG 22/7)
 Copper, bare (AWG 16/84)
 Foam-skin-PE
 Foam-skin-PE
 wh, ye, bu, og
 Black
 Double core
 Polyester foil over stranded bundle
 Polyester foil, aluminium-lined
 Polyester foil
 FRNC
 approx. 10,3 mm ± 0,3 mm
 Green similar to RAL 6018

Electrical data

Characteristic impedance: 100 Ohm ± 15 ohm at 1 to 100 MHz
 Conductor resistance: 60,0 Ohm/km max.
 Insulation resistance: 0,50 GOhm x km min.
 Mutual capacitance: 52,0 nF/km nom.
 Test voltage: 2,0 kV

Typical values

Frequency (MHz)	10	16	62,5	100
Attenuation (dB/100m)	6,3	8,0	16,5	21,3
Next (db)	50,0	47,0	38,0	35,0
ACR (db)	43,7	39,0	21,5	13,7

Technical data

Weight: approx. 153,00 kg/km
 Min. bending radius for laying: 103,0 mm
 Operating temperature range min.: -40°C
 Operating temperature range max.: +70°C
 Caloric load, approx. value: 1,50 MJ/m
 Copper weight: 94,0 kg/km

Norms

Applicable standards: PROFinet Draft

Application

This copper data cable, designed especially for heavy-duty industrial applications is very well suited for Ethernet applications. It ensures superior transmission properties and can be used even under most severe conditions. The line specified here corresponds the PROFinet type, i.e. it is designed for flexible applications with integrated energoe cores.

Part no.

801651, PROFinet type B (SK)

Dimensions and specifications may be changed without prior notice.