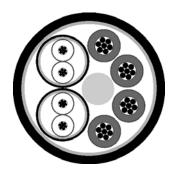
# **Industrial Ethernet**

RoHS



## PROFInet Typ B hybrid



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:

#### Electrical data

Characteristic impedance: Conductor resistance: Insulation resistance: Mutual capacitance: Test voltage:

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

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 superiour 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)

approx. 153,00 kg/km

103,0 mm -40°C

94,0 kg/km

+70°C 1,50 MJ/m

Dimensions and specifications may be changed without prior notice.





#### 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

Polyester foil FRNC approx. 10,3 mm  $\pm$  0,3 mm Green similar to RAL 6018

100 Ohm ± 15 ohm at 1 to 100 MHz 60,0 Ohm/km max. 0,50 GOhm x km min. 52,0 nF/km nom. 2,0 kV



