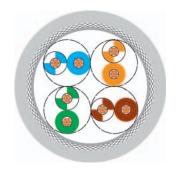
## **Industrial Ethernet**

#### **ROBUSTFLEX**





# Type Cable structure

Inner conductor diameter: Core insulation: Core colours: Stranding element: Shielding 1: Shielding 2: Screen 1 over stranding:

Screen 1 over stranding: Screen 2 over stranding: Outer sheath material: Cable external diameter: Outer sheath colour:

#### **Electrical data**

Characteristic impedance:

Loop resistance: Mutual capacitance: Relative propagation velocity:



# Industrial Patch Cables SF/UTP 4x2xAWG 26/7 PUR

Copper, bare (AWG 26/7) PO whbu/bu, whog/og, whgn/gn, whbn/bn Double core Polyester foil over stranded bundle

- Polyester foil, aluminium-lined

Cu braid PUR approx. 5,7 mm Grey similar to RAL 7035

100 0hm  $\pm$  15 ohm at 1 to 100 MHz 100 0hm  $\pm$  20 ohm at 101 to 200 MHz 260 0hm/km max. 47 nF/km nom.

74 %

### **Typical values**

Frequency	(MHz)	10	16	62,5	100	200	
Attenuation	(dB/10m)	0,8	1,1	2,4	2,9	4,3	
Next	(db)	58,0	56,0	45,0	43,0	37,0	
ACR	(db)	57,2	54,9	42,6	40,1	32,7	

#### **Technical data**

Weight: bending radius, repeated: Operating temperature range min.: Operating temperature range max.: Caloric load, approx. value: Copper weight:

approx. 44 kg/km 46 mm -40°C +80°C 0,54 MJ/m

24,00 kg/km

#### Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 5e, Flame-retardant acc. to IEC 60332-1, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2, Oil-resistant

### **Application**

HELUKAT®200 industry data cables were designed for high requirements in the industry (industrial ethernet) and other heavy-duty environments. They are characterized by large performance reserves and outstanding performance. Mechanically they are also perfectly suited for rough industrial environments due to their halogen-free PUR outer sheath. These lines are manufacturable with all common RJ45 plugs (industry and office version), and also with some Sub-D and M12 plugs.

#### Part no.

**800068**, SF/UTP 4x2xAWG 26/7 PUR (S-FTP)

Dimensions and specifications may be changed without prior notice.





