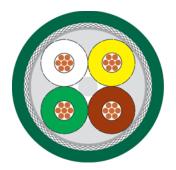
## **Industrial Ethernet**

## **DRAG CHAIN**



SF/UTP 4 core, Category 5



# Type Cable structure

Inner conductor diameter:

Core insulation: Core colours: Stranding element: Separator: Shielding 1:

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:



## Drag Chain Patch Cables SF/UTP 4x1xAWG 24/19 (stranded) PUR

Copper, bare (AWG 24/19)

PF

wh, ye, br, gn

Quad

Polyester foil over stranded bundle

Al-Foil Cu braid PUR

app.  $6,2 \text{ mm} \pm 0,2 \text{ mm}$ Green similar to RAL 6026

100 Ohm ± 15 Ohm at 1 to 100 MHz

156 Ohm/km max. 51 nF/km nom.

67 %

## **Typical values**

Frequency	(MHz)	10	16	62,5	100	
Attenuation	(dB/10m)	0,6	0,8	1,6	2,2	
Next	(db)	59,0	55,0	43,0	38,0	
ACR	(db)	58.4	54.2	41.4	35.8	

#### **Technical data**

Weight: app. 54 kg/km bending radius, repeated: 75 mm
Operating temperature range min.: -20°C
Operating temperature range max.: +70°C
Caloric load, approx. value: 0,944 MJ/m
Copper weight: 30,00 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 60332-1-2, Halogen-free acc. to 60754-1, Oil-resistant

## **Application**

HELUKAT® 200S Category 5e drag chain is designed for use in cable carriers and the extreme loads caused by moving machine components and provides excellent transmission characteristics under the most difficult and extreme conditions. Thanks to the clever structure, it is also suitable mechanically for use even in cable carriers with a high packing density.

**Part no. 800088,** SF/UTP 4x1xAWG 24/19 PUR (S-FTP)

Dimensions and specifications may be changed without prior notice.

