



### Type Cable structure

Inner conductor diameter:  
Core insulation:  
Core colours:  
Stranding element:  
Shielding 1:  
Shielding 2:  
Screen 1 over stranding:  
Screen 2 over stranding:  
Outer sheath material:  
Cable external diameter:  
Outer sheath colour:

### Machine construction, drag chain applications S-FTP 4x1xAWG 24/19 PUR

Copper, bare (AWG 24/19)  
PP  
wh/bn, gn/ye  
Double core  
-  
Polyester foil, aluminium-lined  
Cu braid  
PUR  
6,2 mm  
Green similar to RAL 6026

### Electrical data

Characteristic impedance:  
Mutual capacitance:

100 Ohm  $\pm$  15 ohm at 1 to 100 MHz  
50,0 nF/km nom.

### Typical values

Frequency	(MHz)	10	16	62,5	100
Attenuation	(dB/10m)	1,0	1,2	2,6	3,3
Next	(db)	47,0	44,0	35,0	32,0
ACR	(db)	46,0	42,8	32,4	28,7

### Technical data

Weight: approx. 60,0 kg/km  
Min. bending radius for laying: 80,0 mm  
Operating temperature range min.: -35 °C  
Operating temperature range max.: +70 °C  
Caloric load, approx value: 0,95 MJ/m  
Copper value: 28,1 kg/km

### Norms

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

### Application

HELUKAT®200T industry data cables were designed for the most extreme requirements in the industry (industrial ethernet) and other heavy-duty environments. They are characterized by large performance reserves and outstanding performance, even under the most extreme conditions. In addition, the thought-out mechanical construction even ensures applications in drag chains with high packing density. These lines are manufacturable with conventional Sub-D plugs or with various RJ45 plugs.

### Part no.

**800088**, S-FTP 4x1xAWG 24/19 PUR