



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:

Drag Chain Patch Cables

SF/UTP 4x1xAWG 24/19 (stranded) PUR

Copper, bare (AWG 24/19)
PP
wh/bn, gn/ye
Quad
Polyester foil over stranded bundle
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Polyester foil, aluminium-lined
Cu braid
PUR
approx. 6,2 mm ± 0,2 mm
Green similar to RAL 6026

Electrical data

Characteristic impedance:
Loop resistance:
Mutual capacitance:
Relative propagation velocity:

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

approx. 54 kg/km
80 mm
-25°C
+70°C
0,944 MJ/m
30,00 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, 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, SF/UTP 4x1xAWG 24/19 PUR (S-FTP)

Dimensions and specifications may be changed without prior notice.