



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:

Drag Chain Patch Cables

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

Copper, bare (AWG 24/19)
PP
wh, ye, br, gn
Quad
Polyester foil over stranded bundle
-
Al-Foil
Cu braid
PUR
app. 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)	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.