



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 4x2xAWG 24/19 PUR

Copper, bare (AWG 24/19)
PP
wh/bn, gn/ye, gy/pk, bu/rd
Double core
-
Polyester foil, aluminium-lined
Cu braid
PUR
9,5 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. 115,0 kg/km
Min. bending radius for laying: 120,0 mm
Operating temperature range min.: -35 °C
Operating temperature range max.: +70 °C
Caloric load, approx value: 1,99 MJ/m
Copper value: 54,3 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.

81155, S-FTP 4x2xAWG 24/19 PUR