



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:

complicate application S-STP 4x2xAWG 23/1 PUR

Copper, bare (AWG 23/1)
Foam-skin-PE
wh/bu, wh/og, wh/gn, wh/bn
Double core
-
Polyester foil, aluminium-lined
Cu braid
-
PUR
8,2 mm
Green similar to RAL 6018

Electrical data

Characteristic impedance:

100 Ohm \pm 15 ohm at 1 to 100 MHz
100 Ohm \pm 20 ohm at 101 to 600 MHz
43,0 nF/km nom.

Mutual capacitance:

Typical values

Frequency	(MHz)	10	16	62,5	100	200	300	600
Attenuation	(dB/100m)	5,6	7,1	13,9	17,5	25,2	32,1	44,9
Next	(db)	100,0	100,0	96,0	94,0	88,0	84,0	73,0
ACR	(db)	94,4	92,9	82,1	76,5	62,8	51,9	28,1

Technical data

Weight: approx. 62,0 kg/km
Min. bending radius for laying: 85,0 mm
Operating temperature range min.: -20 °C
Operating temperature range max.: +75 °C
Caloric load, approx value: 0,74 MJ/m
Copper value: 34,0 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 7, Flame-retardant acc. to IEC 60332-1, Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2-3, Oil-resistant

Application

HELUKAT® 600IND data cables are used for harsh industrial applications. Mechanical characteristics are the steady against mineral oils, fats and cooling lubricants. Also they are microben resistant and hydrolysis resistant. Electrically they are characterized by large performance reserves and outstanding performance. They can be used to implement services such as Gigabit Ethernet, Fast Ethernet, Ethernet, ATM155, FDDI, token ring 4/16 Mbit/s or ISDN absolutely trouble-free. The cables thus exceed the requirements for EN55022 Class B emission and EN55024 immunity. So this serie has a superior electromagnetic compatibility qualification.

Part no.

801197, S-STP 4x2xAWG 23/1 PUR