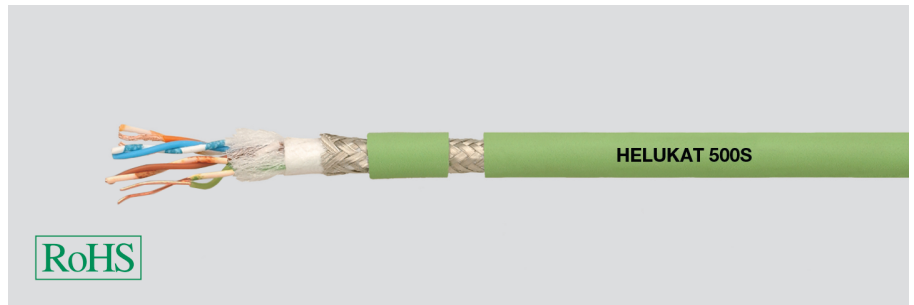
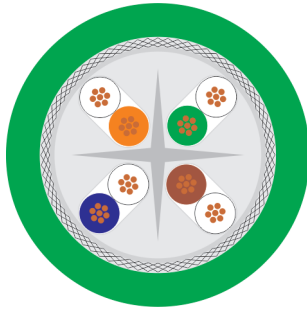


Industrial Ethernet

Drag Chain

HELUKAT® 500S

S/FTP, Category 6A



Cable structure

Inner conductor Ø:
Conductor material:
Core insulation:
Core colours:
Separator:
Screen over stranding element:
Total shielding:
Outer sheath material:
Outer diameter:
Outer sheath colour:

SF/FTP 4x2xAWG26/7 PUR

0,55 mm
Copper, tinned
Foam-skin-PE
wh/bu, wh/og, wh/gn, wh/bn
-
Al-Foil
AL-Foil + braid
PUR
app. 7,8 mm
Green similar to RAL 6018

Electrical data

Characteristic impedance:
Conductor resistance, max.:
Insulation resistance, min.:
Loop resistance:
Mutual capacitance:
Test voltage:

100 Ohm $\pm$ 15 Ohm at 1 to 100 MHz
100 Ohm $\pm$ 20 Ohm at 101 to 500 MHz
140 Ohm/km
5 GOhm x km
280 Ohm/km max.
50 nF/km nom.
0,7 kV

Typical values

Frequency (MHz)	10	16	62,5	100	300	500
Attenuation (db/10m)	0,9	1,1	2,3	2,9	5,1	6,8
Next (db)	60,3	57,2	48,4	45,3	38,1	34,8

Technical data

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

app. 64 kg/km
117 mm
-10°C
+70°C
1,35 MJ/m
34,00 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 6A, Flame-retardant acc. to IEC 60332-1-2, Halogen-free acc. to 60754-1, CMX 75°C (shielded)

Application

HELUKAT® 500S trailing cable Category 6A is designed for use in cable carriers and the recurring loads caused by moving machine components. It provides excellent transmission characteristics under extremely difficult conditions.

Part no.

805548, INDUSTRIAL ETHERNET KAT.6A 10GIG PUR

Dimensions and specifications may be changed without prior notice.