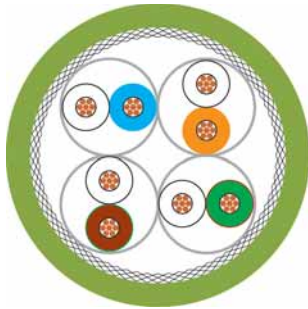


Industrial Ethernet

PROFINet Drag Chain + Torsion

HELUKAT® 600S
CC-Link IE Field SF/FTP, Category 7



Cable structure

Inner conductor diameter:
Core insulation:
Core colours:
Separator:
Shielding 1:
Screen 1 over stranding:
Screen 2 over stranding:
Outer sheath material:
Cable external diameter:
Outer sheath colour:

Drag Chain

SF/FTP 4x2xAWG 24/7 (stranded) PUR

Copper, tinned (AWG 24/7)
Foam-skin-PE
wh/bu, wh/og, wh/gn, wh/bn
-
Al-Foil
Al-Foil
Cu braid
PUR
app. 8,7 mm ± 0,3 mm
Green similar to RAL 6018

Torsion

SF/FTP 4x2xAWG 24/7 (stranded) PUR

Copper, tinned (AWG 24/7)
Foam-skin-PE
wh/bu, wh/og, wh/gn, wh/bn
-
Al-Foil
Al-Foil
Cu braid
PUR
app. 8,7 mm ± 0,3 mm
Green similar to RAL 6018

Electrical data

Characteristic impedance:

100 Ohm ± 15 Ohm at 1 to 100 MHz
100 Ohm ± 20 Ohm at 101 to 600 MHz
175,2 Ohm/km max.

100 Ohm ± 15 Ohm at 1 to 100 MHz
100 Ohm ± 20 Ohm at 101 to 600 MHz
175,2 Ohm/km max.

Loop resistance:

Typical values

frequency	(MHz)	10	16	62,5	100	200	300	600
attenuation	(db/100m)	6,7	8,5	17,4	22,1	31,6	39,2	57,4
next	(db)	78	78	75,5	72,4	67,9	65,2	60,7
ACR	(db)	71,3	69,5	58,1	50,3	36,3	26	3,3

Technical data

Weight: app. 95 kg/km
bending radius, repeated: 131 mm
Operating temperature range min.: -30°C
Operating temperature range max.: +70°C
Copper weight: 46,00 kg/km

app. 95 kg/km
131 mm
-30°C
+70°C
46,00 kg/km

Norms

Applicable standards:

Acc. to ISO/IEC 11801
Acc. to EIA/TIA 568-A
Category 7
Halogen-free acc. to 60754-1
Flame-retardant acc. to IEC 60332-1-2
CMX 75°C (shielded) or AWM 20940 600V

Acc. to ISO/IEC 11801
Acc. to EIA/TIA 568-A
Category 7
Halogen-free acc. to 60754-1
Flame-retardant acc. to IEC 60332-1-2
CMX 75°C (shielded) or AWM 20940 600V

UL Style:

Application

HELUKAT® 600S Category 7 Trailing Cable 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. The Torsion edition has an optimized screen for torsion application which is typical in robotics.

Part no.

805614, SF/FTP 4x2xAWG 24/7 PUR

805828, SF/FTP 4x2xAWG 24/7 PUR

Dimensions and specifications may be changed without prior notice.