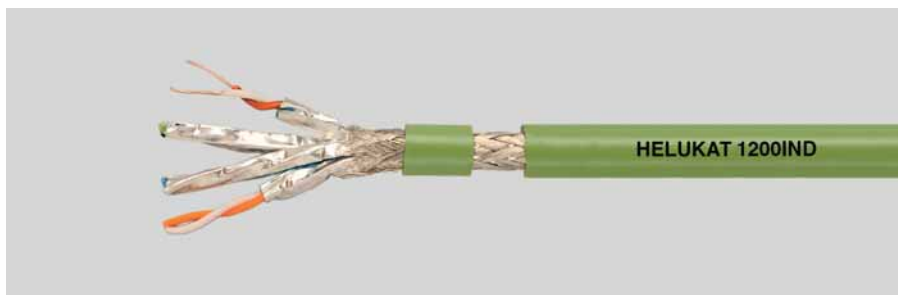


# Industrial Ethernet

ROBUST

**HELUKAT®** 1200IND

S/FTP, Category 7<sub>A</sub>



## Cable structure

Inner conductor Ø:	0,57 mm
Conductor material:	Copper, bare
Core insulation:	Foam-skin-PE
Core colours:	wh/bu, wh/og, wh/gn, wh/bn
Separator:	-
Screen over stranding element:	Al-Foil
Screen 1 over stranding:	Cu braid
Screen 2 over stranding:	-
Outer sheath material:	PUR
Outer diameter:	app. 7,8 mm
Outer sheath colour:	Green similar to RAL 6018

## S/FTP 4x2xAWG 23/1 PUR

## Electrical data

Characteristic impedance:	100 Ohm ± 15 Ohm at 1 to 100 MHz 100 Ohm ± 20 Ohm at 101 to 1200 MHz
Loop resistance:	149 Ohm/km max.
Mutual capacitance:	43 nF/km nom.

## Typical values

frequency (MHz)	10	16	62,5	100	250	350	600	900	1200
attenuation (db/100m)	5,6	7,0	13,8	17,6	28,3	34,0	45,2	57,1	66
Next (db)	95,0	95,0	89,0	87,0	82,0	89,0	74,0	70,0	63,0
PS-ACR (db)	89,4	86,0	73,2	67,4	51,7	43,0	27,8	13,9	1,0

## Technical data

Weight:	app. 68 kg/km
bending radius, repeated:	78 mm
Operating temperature range min.:	-40°C
Operating temperature range max.:	+80°C
Caloric load, approx. value:	0,76 MJ/m
Copper weight:	37,00 kg/km

## Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 7<sub>A</sub>, Flame-retardant acc. to IEC 60332-1-2, Halogen-free acc. to 60754-2, Oil-resistant, UL Style 20549

## Application

HELUKAT® 1200IND Category 7A Robust is used for harsh industrial environments. Mechanically, this product exhibits excellent resistance to mineral oils, greases and cooling lubricants and has good microbe and hydrolysis resistance. Electrically, this cable is characterized by high reserve capacity and outstanding performance.

## Part no.

**805680**, S/FTP 4x2xAWG 23/1 PUR (S-STP)

Dimensions and specifications may be changed without prior notice.

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