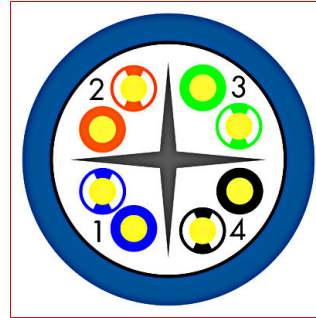
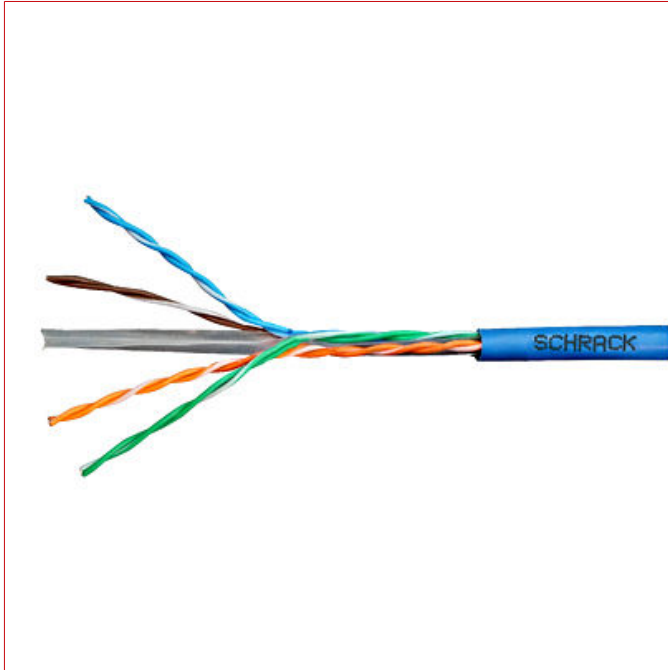


Data Sheet for Article: HSEKU423H5

U/UTP Cable Cat.6, 4x2xAWG24/1, 300MHz, LSOH, Eca, blue

Drum 500m



SCHRACK-Info

APPLICATION

- Horizontal and building backbone cable
- Support current and future Category 6 and 5e applications, such as: 1000Base-T (Gigabit Ethernet), 100 Base-T, 10 Base-T, FDDI, ATM

GENERAL STANDARDS

- International Standard: ISO/IEC 11801 2nd edition and IEC 61156-5 2nd edition
- European Standard: EN 50173-1 (2007) and EN 50288-6-1 for Horizontal Cable
- U.S. Standard: ANSI/TIA/EIA 568-C.2



Technical Data

Category	Cat.6
Cable shielding	U/UTP
Conductor material	Solid bare copper AWG24/1 (0.53mm)

Technical Data - continued

Conductor	4 unshielded pairs
Color code pairs	Pair 1 White-Blue / Blue Pair 2 White-Orange / Orange Pair 3 White-Green / Green Pair 4 White-Brown / Brown
Insulation material	Polyethylene (PE)
Nominal diameter over insulation (mm)	0,97
Shielding	unshielded
Cable jacket	LS0H
Euroclass acc. to EN50575	Eca
Sheath colour	Blue
Cross web	Polyethylene (PE)
Coat thickness (mm)	0,45
Outside diameter (mm)	5,8 ± 0,3
Weight nominal (kg/km)	36
Colour	Blue
Temperature range - Operation (°C)	-10 to +60
Temperature range - Transport/storage (°C)	-20 to +60
Temperature range - Installation (°C)	+0 to +50
Rated voltage	≤60V DC and ≤42V AC
DC resistance at 20° C (Ohm/100m)	9,38
Impedance (Ohm)	100 ± 15% (1-100MHz) 100 ± 22% (100-250MHz)
Insulation resistance (MΩ*km)	≥5000
Dielectric strength conductor – conductor (2 sec) (kV DC)	2,5
Mutual capacitance (nF/km)	≤56
Capacitance unbalance pair to ground (pF/km)	≤1600
RoHS	conform
Resistance difference (%)	≤2
Test voltage (V)	2000
SKEW (ns/100m)	45
NVP (%)	69
Length/Put-ups	500m - drum
Packing	Drum 500m

Datei Tabelle: U/UTP Cable Cat.6, 4x2xAWG24/1, 300MHz, LSOH, Eca, blue

Frequency	1	4	10	16	20	25	31.25	62.5	100	200	250	300	MHz
Attenuation	2	3.8	6	7.6	8.5	9.5	10.7	15.4	19.8	29	32.8	36.4	dB/100m
NEXT	74.3	65.3	59.3	56.2	54.8	53.3	51.9	47.4	44.3	39.8	38.3	37.1	dB/100m
PS NEXT	72.3	63.3	57.3	54.2	52.8	51.3	49.9	45.4	42.3	37.8	36.3	35.1	dB/100m

* Limits below 4MHz are informative.

Article Table

DESCRIPTION	NVP (%)	COPPER WEIGHT (kg/km)	Order No.
U/UTP Cable Cat.6, 4x2xAWG24/1, 300MHz, LS0H, Eca, blue Drum 500m	69	18	HSEKU423H5

Optional Accessories

TOOLLESS LINE Jack RJ45 unshielded, Cat.6 (SFA)	HSEMRJ6UWS
Back to back cable tie black 16mm x 4m	Q7KB0416-S
Back to back cable tie blue 16mm x 4m	Q7KB0416-B
Back to back cable tie red 16mm x 4m	Q7KB0416-R
Back to back cable tie yellow 16mm x 4m	Q7KB0416-Y
Back to back cable tie green 16mm x 4m	Q7KB0416-U