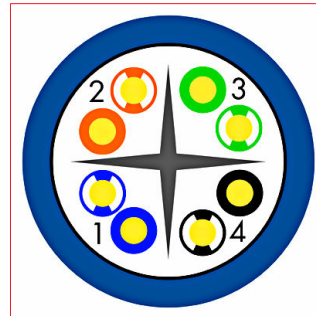
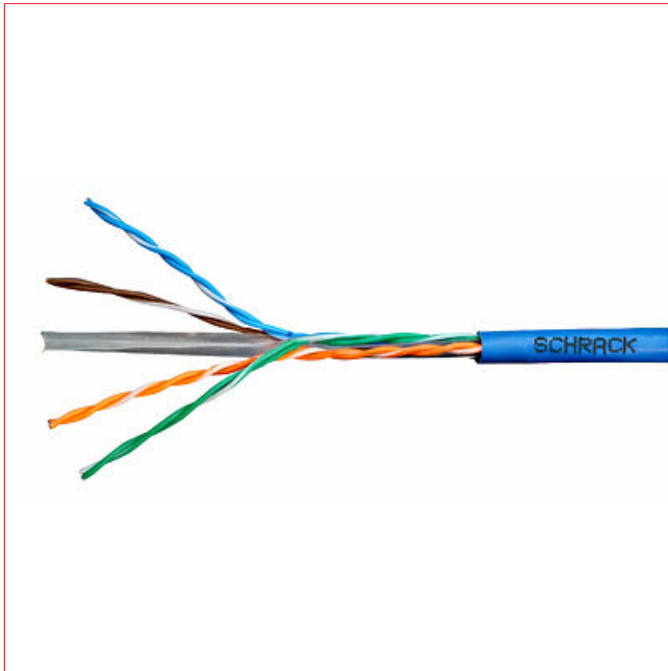


Data Sheet for Article: HSEKU423H4

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



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	4 unshielded pairs
Conductor material	Solid bare copper AWG24/1 (0.53mm)

Technical Data - continued

Color code pairs	Pair 1 White-Blue / Blue Pair 2 White-Orange / Orange Pair 3 White-Green / Green Pair 4 White-Brown / Brown
Cross web	Polyethylene (PE)
Insulation material	Polyethylene (PE)
Nominal diameter over insulation (mm)	0,97
Shielding	unshielded
Coat thickness (mm)	0,45
Cable jacket	LS0H
Net diameter (mm)	5,80
Net weight (kg)	0,04
Weight nominal (kg/km)	36
Colour	Blue
Length/Put-ups	305m - Box
Min. ambient temperature (°C)	-10
Max. ambient temperature (°C)	60
Temperature range - Operation (°C)	-10 to +60
Temperature range - Transport/storage (°C)	-20 to +60
Temperature range - Installation (°C)	+0 to +50
DC resistance at 20° C (Ohm/100m)	9,38
Impedance (Ohm)	100 ± 15% (1-100MHz) 100 ± 22% (100-250MHz)
Insulation resistance	> 5000MΩ/km
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
Packing size (mm)	350 x 350 x 210
Resistance difference (%)	< 2
Test voltage (V)	2000
SKEW (ns/100m)	45
NVP (%)	69
Net length (mm)	1.000,00
Put-ups	Box 305m

ELECTRICAL CHARACTERISTICS

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/Min.
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/Min.

Values are only for information.

Article Table

DESCRIPTION	NVP (%)	COPPER WEIGHT (kg/km)	Order No.
U/UTP Cable Cat.6, 4x2xAWG24/1, 300MHz, LS0H, Eca, blue, Box	69	18	HSEKU423H4

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