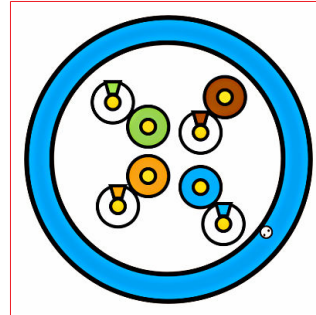
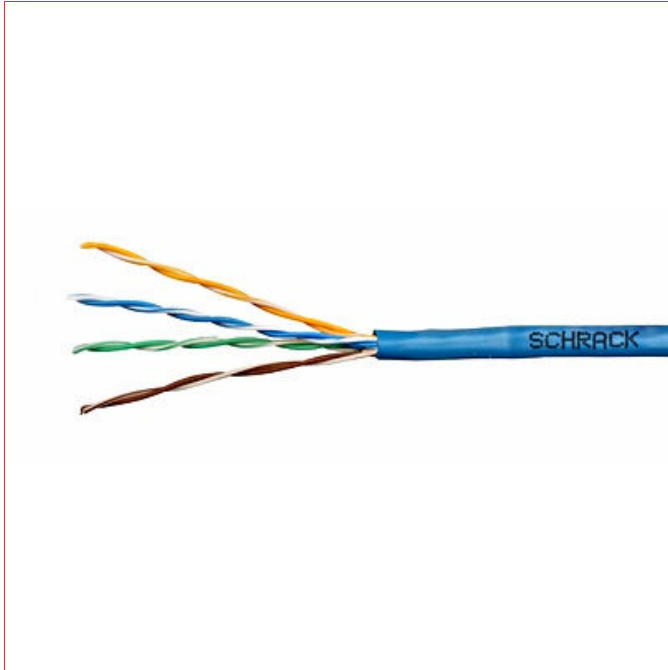


Data Sheet for Article: HSKU423BB5

U/UTP Cable Cat.6, 4x2xAWG24/1, 300MHz, LSOH, B2ca-s1a,d1,a1

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 edition 2.1 (2008)
- European Standard: EN 50173-1 (2002) and EN 50173-1 Amd.1 (2009)
- U.S. Standard: ANSI/TIA/EIA 568-B.2.1 (2002)



Technical Data

Category	Cat.6
Cable shielding	U/UTP
Conductor	4 unshielded pairs
Conductor material	Solid bare copper AWG24/1

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
Insulation material	Polyethylene (PE)
Nominal diameter over insulation (mm)	1
Shielding	unshielded
Ripcord	Under jacket
Cable jacket	LSOH
Jacket	LSOH, FRNC according to: IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Euroclass acc. to EN50575	B2ca
Smoke production	s1a
Droplets	d1
Acidity	a1
Burning load (kJ/m)	500
Smoke density - transmittance (%)	> 60
Amount of halogen acid gas - pH	> 4,3
Amount of halogen acid gas - Conductivity (µS/m)	< 10
Outside diameter (mm)	6,1 ± 0,3
Net diameter (mm)	6,10
Net weight (kg)	0,05
Weight nominal (kg/km)	52
Colour	Blue
Length/Put-ups	500m - drum
Min. ambient temperature (°C)	-20
Max. ambient temperature (°C)	75
Temperature range - Installation (°C)	+0 to +50
Bending radii cable - Static (Ø)	4
Bending radii cable - Dynamic (Ø)	8
Max. pulling tension (N)	80
Rated voltage	< 72V DC and < 50V AC
Max. continuous current per conductor (25°C) (A)	1,5
DC resistance at 20° C (Ohm/100m)	< 9,38
Insulation resistance	> 5000MΩ/km
Resistance unbalance: within a pair / between pairs (%)	< 2 / < 4
Dielectric strength conductor – conductor (2 sec) (kV DC)	2,5
Mutual capacitance (nF/km)	< 56
Capacitance unbalance pair to ground (pF/km)	< 1600
Elongation at break of the conductors (%)	10
Minimum elongation at break of the insulation (%)	≥ 100

Technical Data - continued

Minimum elongation at break of the sheath (%)	≥ 100
Tensile strength of sheath (MPa)	> 9
SKEW (ns/100m)	≤ 25
NVP (%)	70
Net length (mm)	1.000,00

Datei Tabelle: U/UTP Cable Cat.6, 4x2xAWG24/1, 300MHz, LSOH, B2ca-s1a,d1,a1

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Article Table

DESCRIPTION	NVP (%)	Order No.
U/UTP Cable Cat.6, 4x2xAWG24/1, 300MHz, LSOH, B2ca-s1a,d1,a1 blue, Drum 500m	70	HSKU423BB5
Optional Accessories		
TOOLLESS LINE Jack RJ45 unshielded, Cat.6 (SFA)		HSEMRJ6UWS
fixLink SL RJ45 unshielded Cat.6 AWG 24-22 PoE+ PU: 1 CKFUK000EP		HEKFM6UG11
Cable dispenser for 250kg Load for drums up to 52cm width		HTOOL00006
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