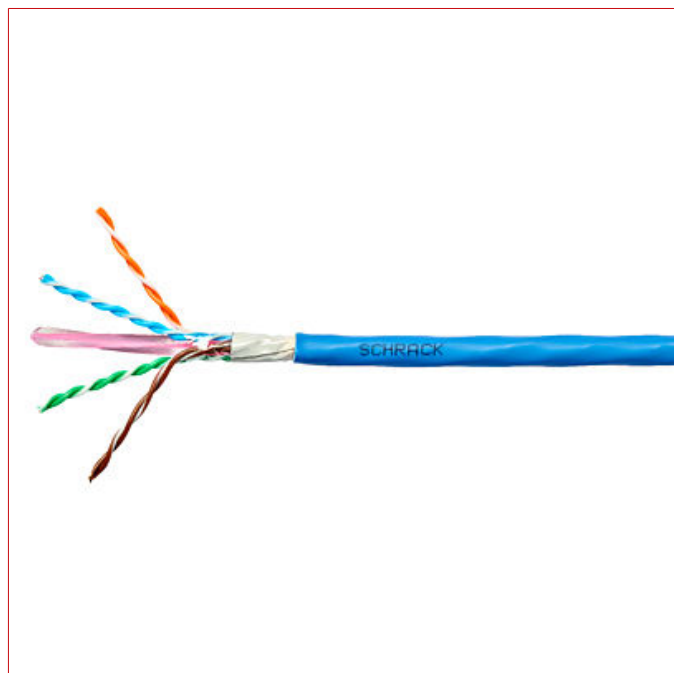


Data Sheet for Article: HSKU423EB5

U/UTP Cable Cat.6a, 4x2xAWG23/1, 500MHz, LS0H, Eca, blue

Drum 500m



SCHRACK-Info

APPLICATION

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



Technical Data

Category	Cat.6 _A
Cable shielding	U/UTP
Conductor material	Solid bare copper AWG23/1 (0.58mm)
Conductor	4 unshielded pairs

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, 18
Shielding	unshielded
Cable jacket	LSOH
Euroclass acc. to EN50575	Eca
Sheath colour	blue, RAL 5015
Burning load (kJ/m)	520
Tape Material	EquiBlock®
Smoke density - transmittance (%)	≥80
Amount of halogen acid gas - pH	≥4,3
Outside diameter (mm)	7,0 ± 0,3
Weight nominal (kg/km)	50
Colour	Blue
Temperature range - Operation (°C)	-30 to +60
Temperature range - Installation (°C)	+0 to +50
Max. pulling tension (N)	80
Rated voltage	< 72V DC and < 50V AC
DC resistance at 20° C (Ohm/100m)	< 9,5
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
Maximum continuous current per conductor (@ 25°C) (A)	1,5
SKEW (ns/100m)	≤ 45
NVP (%)	67
Length/Put-ups	500m - drum
IEEE Compliance	PoE: IEEE 802.3bt Type 1, Type 2, Type 3, Type 4

Datei Tabelle: U/UTP Cable Cat.6a, 4x2xAWG23/1, 500MHz, LS0H, Eca, blue

Frequency[MHz]	Attenuation[dB/100m]	NEXT[dB]	PSNEXT[dB]	ACR[dB]	PS-ACR[dB]	ELFEXT[dB]	PS-ELFEXT[dB]	TCL[dB]	ELTCTL[dB]
1	2.1	75.3	72.3	73.2	70.2	68	65	40	-
4	3.8	66.3	63.3	62.5	59.5	56	53	40	35
10	5.9	60.3	57.3	54.4	51.4	48	45	40	23
16	7.5	57.2	54.2	49.8	46.8	43.9	40.9	38	15
31.2	10.5	52.9	49.9	42.4	39.4	38.1	35.1	35.1	10.9
62.5	15	48.4	45.4	33.4	30.4	32.1	29.1	32	5.1
100	19.1	45.3	42.3	26.2	23.2	28	25	30	-
125	21.5	43.8	40.8	22.3	19.3	26.1	23.1	29	-
200	27.6	40.8	37.8	13.2	10.2	22	19	27	-
250	31.1	39.3	36.3	8.3	5.3	20	17	26	-
300	34.3	38.1	35.1	3.9	0.9	18.5	15.5	-	-
500	35.3	34.8	31.8	-10.4	-13.4	14	11	-	-

* Limits below 4MHz are informative.

Article Table

DESCRIPTION	NVP (%)	COPPER WEIGHT (kg/km)	Order No.
U/UTP Cable Cat.6a, 4x2xAWG23/1, 500MHz, LS0H, Eca, blue Drum 500m	67	20	HSKU423EB5

Optional Accessories

Jack RJ45 unshielded Cat.6A, AWG 24-22, 24 pieces box 4PPoE, SFA	HEKFMAUGI2
Jack RJ45 unshielded Cat.6A, AWG 24-22, Single Pack 4PPoE, SFA	HEKFMAUGI1
Patchcord RJ45 unshielded Cat.6a 10GB, LS0H, grey, 1.0m	H6UTG01K0G
Patchcord RJ45 unshielded Cat.6a 10GB, LS0H, grey, 3.0m	H6UTG03K0G
Patchcord RJ45 unshielded Cat.6a 10GB, LS0H, grey, 5.0m	H6UTG05K0G
Patchcord RJ45 unshielded Cat.6a 10GB, LS0H, grey, 10.0m	H6UTG10K0G
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