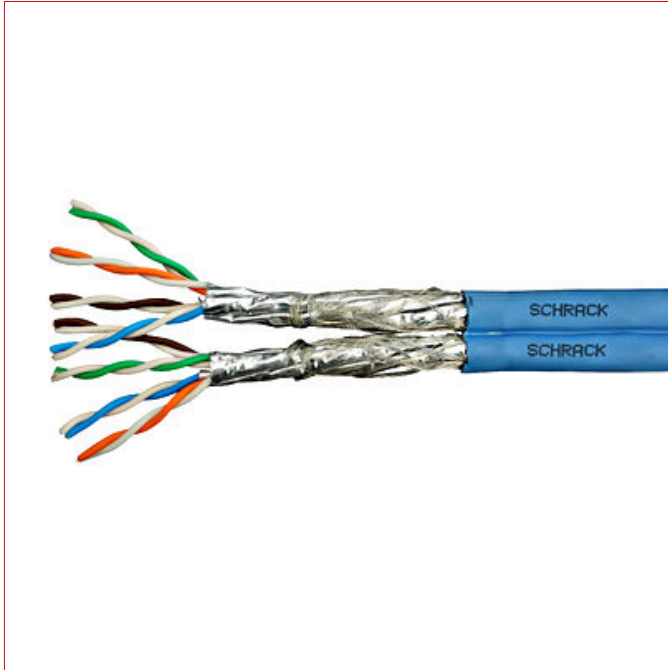


Data Sheet for Article: HSKP822HK5

S/FTP Cable Cat.7a, 2x(4x2xAWG23/1), 1200MHz, LS0H-3, Dca

40%, blue, Drum 500m



SCHRACK-info

- Installation cable for generic cabling systems.
- Support current and future applications requiring Class D to F_A (z.B. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE, 4PPoE
- Primary (Campus), Secondary (Backbone), Tertiary (Horizontal)
- Version: Simplex

STANDARDS:

- ISO/IEC 11801, EN 50173-1
- Better than category 7_A according to IEC 61156-5, EN 50288-9-1
- Much better than IEEE 802.3an 10 Gigabit Ethernet



Technical Data

Series	S-JACK
Category	Cat.7 _A

Technical Data - continued

Cable shielding	S/FTP
Conductor	2 x 4 individual shielded pairs
Conductor material	Solid bare copper AWG23/1 (0.58mm)
Color code pairs	Pair 1 White / Blue Pair 2 White / Orange Pair 3 White / Green Pair 4 White / Brown
Insulation material	Cell-Polyethylene (PE)
Nominal diameter over insulation (mm)	1,4
Shielding	shielded
Pair-Foil	Laminated aluminium polyester, Aluminium facing outside (PiMF)
Overall Shield	Solid tinned copper
Braid coverage (%)	40
Cable jacket	LS0H-3
Jacket	LS0H-3, FRNC according to IEC 61034-2, EN 50268-2 IEC 60754-2, EN50267-2 IEC 60332-3-24, EN 60332-3-24
Euroclass acc. to EN50575	Dca
Smoke production	s1
Droplets	d2
Acidity	a1
Burning load (kJ/m)	1200
Outside diameter (mm)	7,5 x 15,0
Weight nominal (kg/km)	120
Sheath colour	Blue
Colour	Blue
Temperature range - Operation (°C)	-20 to +60
Temperature range - Transport/storage (°C)	-20 to +60
Temperature range - Installation (°C)	+0 to +50
Bending radii cable - Operation (longterm) (Ø)	4
Bending radii cable - Installation (shortterm) (Ø)	8
Max. pulling tension (N)	220
DC resistance at 20° C (Ohm/100m)	750
D.C. insulation resistance: conductor – conductor and conductor – screen (MΩ*km)	≥5000
Operating voltage AC (V)	125
Mutual capacitance (nF/km)	42
Characteristic impedance (Ω)	100 +/- 5
Signal propagation time (ns/m)	4,2
SKEW (ns/100m)	5
Coupling Resistance (mΩ/m)	5 at 10MHz
Coupling attenuation typical (dB)	≥85

Technical Data - continued

Test voltage (V)	1000
NVP (%)	80
IEEE Compliance	PoE: IEEE 802.3bt Type 1, Type 2, Type 3, Type 4
Length/Put-ups	500m - drum

REFERENCE STANDARD AT 20°C: IEC 61156-5

Frequency	Attenuation		NEXT		PSNEXT		ACR-N		PSACR-N		ACR-F		PSACR-F		RL	
MHz	dB/100m		dB		dB		dB@100m		dB@100m		dB@100m		dB@100m		dB	
	typ.	Kat. 7 _A min.*	typ.	Kat. 7 _A min.*	typ.	Kat. 7 _A min.*	typ.	Kat. 7 _A min.*	typ.	Kat. 7 _A min.*	typ.	Kat. 7 _A min.*	typ.	Kat. 7 _A min.*	typ.	Kat. 7 _A min.*
1	1.9	2.1	102	78	99	75	101	75.9	98	72.9	98	78	95	75	25.4	-
10	4.8	5.8	102	78	99	75	98	72.2	95	69.2	103	78	100	75	31.1	25.0
100	16.4	18.5	102	75	99	72	86	56.9	83	53.9	89	65	86	62	33.2	20.1
200	24.5	26.5	102	71	99	68	78	44.4	75	41.4	82	59	79	56	33.2	18.0
250	27.8	29.7	102	69	99	66	75	39.7	72	36.7	79	57	76	54	33.4	17.3
500	38.2	42.8	97	65	94	62	59	22.1	56	19.1	67	51	64	48	30.5	17.3
600	42.9	47.1	92	64	89	61	49	16.6	46	13.6	60	50	57	47	27.6	17.3
700	47.7	51.1	92	63	89	60	44	11.6	41	8.6	57	48	54	45	26.2	16.6
800	50.8	54.9	90	62	87	59	39	7.0	36	4.0	53	47	50	44	23.9	16.1
900	55.1	58.5	85	61	82	58	30	2.6	27	-0.4	49	46	46	43	21.7	15.5
1000	58.0	61.9	80	60	77	57	22	-1.5	19	-4.5	46	45	43	42	18.0	15.1
1200	64.0	-	78	-	75	-	14	-	16	-	44	-	41	-	17.4	-

* Limits below 4 MHz and at 1200 MHz are informative.

Article Table

DESCRIPTION	NVP (%)	COPPER WEIGHT (kg/km)	Order No.
S/FTP Cable Cat.7a, 2x(4x2xAWG23/1), 1200MHz, LS0H-3, Dca 40%, blue, Drum 500m	80	60	HSKP822HK5
Optional Accessories			
S-JACK Module RJ45 shielded, Cat.6a 10GB, 24 pieces box 4PPoE 100W, SFB			HSEMRJ6GS2
S-JACK Module RJ45 shielded, Cat.6a 10GB, Single Pack 4PPoE 100W, SFB			HSEMRJ6GS1
TOOLLESS LINE Jack RJ45 shielded, Cat.6a 10GB, 24 pieces box 4PPoE 100W, (SFB), Type: HSEMRJ6GBA			HSEMRJ6GB2
TOOLLESS LINE Jack RJ45 shielded, Cat.6a 10GB 4PPoE 100W (SFB)			HSEMRJ6GBA

Article Table

DESCRIPTION	NVP (%)	COPPER WEIGHT (kg/km)	Order No.
Optional Accessories			
TOOLLESS LINE Jack RJ45 shielded, Cat.6a 10GB 4PPoE 100W (SFA)			HSEMRJ6GWA
Cable dispenser for 250kg Load for drums up to 52cm width			HTOOL00006
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 black 16mm x 4m			Q7KB0416-S
Back to back cable tie yellow 16mm x 4m			Q7KB0416-Y
Back to back cable tie green 16mm x 4m			Q7KB0416-U