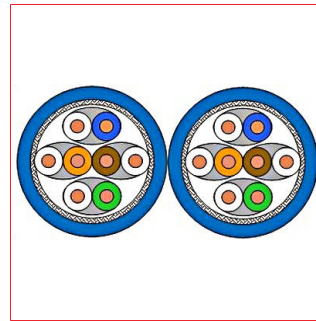
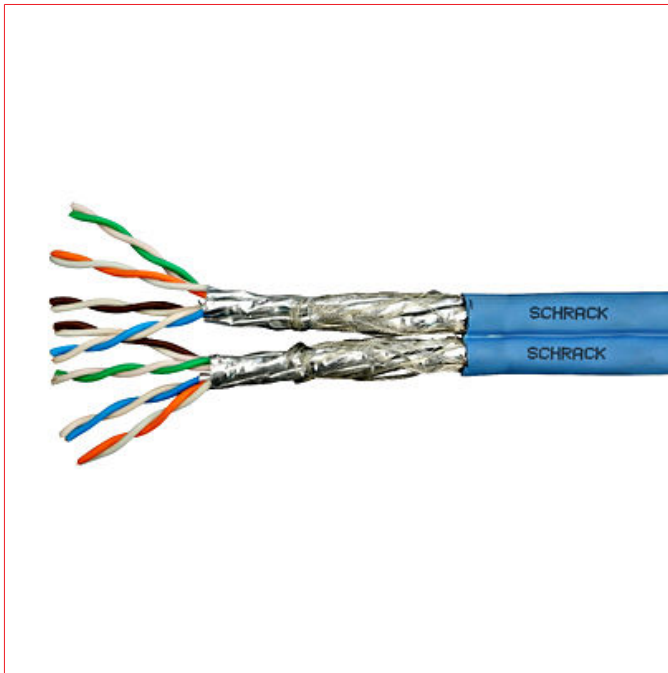


Data Sheet for Article: HSKP822HP5

S/FTP Cable Cat.7a, 2x(4x2xAWG22/1), 1.500Mhz, LSOH-3, Dca

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 (Riser), 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

Net length (mm)	1.000,00
Net weight (kg)	0,13
Category	Cat.7 _A

Technical Data - continued

Cable shielding	S/FTP
Cable jacket	LSOH-3
Conductor	2 x 4 individual shielded pairs
Conductor material	Solid bare copper AWG22/1
Wire insulation	Halogen-free foam/skin material
Insulation material	Polyethylene (PE)
Nominal diameter over insulation (mm)	1,55
Shielding	shielded
Pair-Foil	Laminated aluminium polyester, Aluminium facing outside (PiMF)
Overall Shield	Solid tinned copper
Jacket	LSOH-3, FRNC according to: IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Euroclass acc. to EN50575	Dca
Smoke production	s2
Droplets	d2
Acidity	a1
Burning load (kJ/m)	1370
Outside diameter (mm)	7,6x15,6
Net diameter (mm)	17,50
Weight nominal (kg/km)	124
Colour	Blue
Length/Put-ups	500m - drum
Min. ambient temperature (°C)	-20
Max. ambient temperature (°C)	60
Temperature range - Operation (°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)	350
Impedance (Ohm)	100 ± 5
Propagation delay (ns/m)	0,15
Resistance unbalance: within a pair / between pairs (%)	≤2
D.C. insulation resistance: conductor – conductor and conductor – screen (MΩ*km)	≥5000
Mutual capacitance (nF/km)	43
Capacitance unbalance pair to ground (pF/km)	≤1500
Signal propagation time (ns/m)	45
Coupling Resistance	@ 1MHz ≤12mΩ/m @ 10MHz ≤10mΩ/m @ 30MHz ≤30mΩ/m
Coupling damping typical (dB)	≥85

Technical Data - continued

Test voltage (V)	1000
NVP (%)	79

ELECTRICAL CHARACTERISTICS AT 20°C ACCORDING TO IEC 61156-5

Frequency (MHZ)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)	Return loss (dB/100m)	PS-Next (dB/100m)	PS-ACR (dB/100m)	ELFEXT (dB/100m)	PS-ELFEXT (dB)
1	1.7	100	98	22	97	95	100	97
4	3.3	100	97	25	97	94	97	94
10	5.2	100	95	27	97	92	95	92
16	6.6	100	94	27	92	91	90	87
20	7.4	100	93	27	90	90	90	87
31.25	9.25	100	91	26	90	88	90	87
62.50	13.1	100	87	24	90	84	85	82
100	16.6	100	83	22	87	80	80	77
155	20.1	95	75	20	87	72	78	75
200	23.6	95	71	20	87	69	75	72
250	26.5	90	63	19	87	60	69	66
300	29.1	89	60	19	85	57	65	62
600	41.6	85	43	19	82	40	45	42
1000	54	83	29	19	80	26	40	37
1200	59	83	24	17	80	21	35	32
1400	63.7	81	17	15	78	14	30	27
1500	66	80	14	15	77	11	28	25

Article Table

DESCRIPTION	NVP (%)	Order No.
S/FTP Cable Cat.7a, 2x(4x2xAWG22/1), 1.500Mhz, LS0H-3, Dca Drum 500m	79	HSKP822HP5
Optional Accessories		
S-JACK Module RJ45 shielded, Cat.6a 10GB, 4PPoE 100W, SFB 24 pieces box		HSEMRJ6GS2
S-JACK Module RJ45 shielded, Cat.6a 10GB, 4PPoE 100W, SFB		HSEMRJ6GS1
TOOLLESS LINE Jack RJ45 shielded, Cat.6a 10GB 4PPoE (100W) (SFA)		HSEMRJ6GWA
TOOLLESS LINE Jack RJ45 shielded, Cat.6a 10GB 4PPoE 100W (SFB)		HSEMRJ6GBA
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