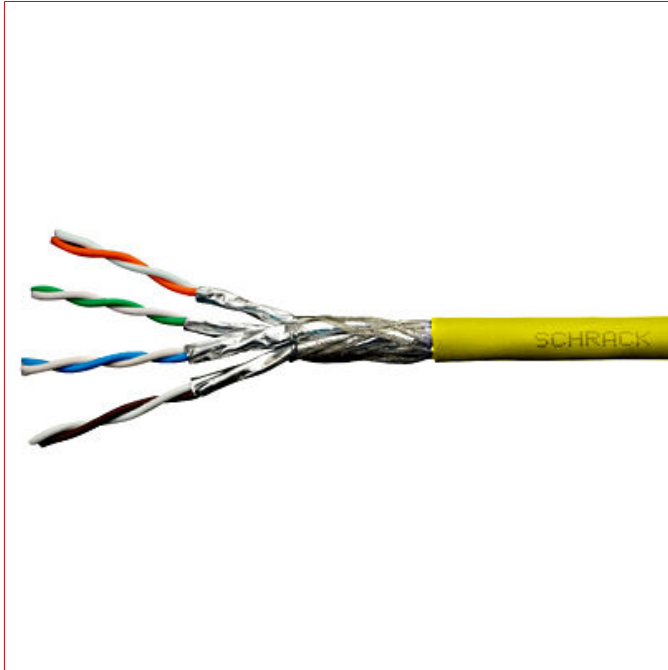


Data Sheet for Article: HSKP423PY1

S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LSOH, Dca 30%

yellow RAL1021, drum 1000m



SCHRACK-Info

- Installation cable for generic cabling systems.
- Support current and future applications requiring Class D to F (z.B. 10GBase-T, 1000Base-T, 100Base-T, 10Base-T, ATM) as well as VoIP, PoE

STANDARDS:

- ISO/IEC 11801, EN 50173-1
- Better than category 7 according to IEC 61156-5, EN 50288-4-1
- Much better than IEEE 802.3an 10 Gigabit Ethernet



Technical Data

Category	Cat.7
Cable shielding	S/FTP
Conductor material	solid copper wire, AWG23/1 (0.56mm)

Technical Data - continued

Color code pairs	Pair 1 White / Blue Pair 2 White / Orange Pair 3 White / Green Pair 4 White / Brown
Number of pairs	4, all twisted together
Insulation material	Foamed polyethylene
Nominal diameter over insulation (mm)	1,35
Shielding	shielded
Pair-Foil	Laminated aluminium polyester, Aluminium facing outside (PiMF)
Overall Shield	Solid tinned copper
Braid coverage (%)	30
Cable jacket	LS0H
Jacket	LS0H, 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	Dca
Smoke production	s2
Droplets	d2
Acidity	a1
Sheath colour	yellow, RAL1021
Burning load (kJ/m)	590
Outside diameter (mm)	7,2
Weight nominal (kg/km)	53
Colour	Yellow
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)	110
Impedance (Ohm)	(1 - 100)MHz - (100 ± 5)Ω (100 - 250)MHz - (100 ± 10)Ω (250 - 600)MHz - (100 ± 15)Ω
Resistance unbalance: within a pair / between pairs (%)	≤2 / ≤4
D.C. insulation resistance: conductor – conductor and conductor – screen (MΩ*km)	≥2000
Mutual capacitance (nF/km)	43
Capacitance unbalance pair to ground (pF/km)	≤1500
Coupling Resistance (mΩ/m)	@ 1MHz ≤12mΩ/m @ 10MHz ≤10mΩ/m @ 30MHz ≤30mΩ/m
Coupling attenuation typical (dB)	≥80
Test voltage (V)	1000V DC

Technical Data - continued

NVP (%)	77
Length/Put-ups	1000m - drum
IEEE Compliance	PoE: IEEE 802.3bt Type 1, Type 2, Type 3, Type 4

Datei Tabelle:

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PS-NEXT (dB)	ACR (dB/100m)	PS-ACR (dB/100m)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	Return loss (dB)
1	1.8	100	97	98	95	105	105	-
4	3.4	100	97	97	94	105	102	27
10	5.4	100	97	95	92	97	94	30
16	6.8	100	97	93	90	93	90	30
20	7.7	100	97	92	89	91	88	30
31.2	9.6	100	97	90	87	87	84	30
62.5	13.7	100	97	86	83	81	78	30
100	17.4	100	97	83	80	77	74	30
125	19.5	95	92	75	72	75	72	26
155.5	21.9	94	91	72	69	73	70	26
175	23.3	93	90	70	67	72	69	25
200	25	92	89	67	64	71	68	25
250	28.1	90	87	62	59	69	66	24
300	30.9	89	86	58	55	67	64	24
450	38.3	87	84	48	45	64	61	23
600	44.8	85	82	40	37	61	58	22
750	52	83	80	31	28	59	56	21
900	59.4	82	79	23	20	58	55	20
1000	63.1	80	77	17	14	57	54	20

Article Table

DESCRIPTION	NVP (%)	Order No.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H, Dca 30% yellow RAL1021, drum 1000m	77	HSKP423PY1
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

Article Table

DESCRIPTION	NVP (%)	Order No.
Optional Accessories		
TOOLLESS LINE Jack RJ45 shielded, Cat.6a 10GB 4PPoE 100W (SFB)		HSEMRJ6GBA
TOOLLESS LINE Jack RJ45 shielded, Cat.6a 10GB 4PPoE 100W (SFA)		HSEMRJ6GWA
TOOLLESS LINE Jack RJ45 shielded, Class Ea 10GB 4PPoE 100W (SFA)		HSEMRJ6GWT
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