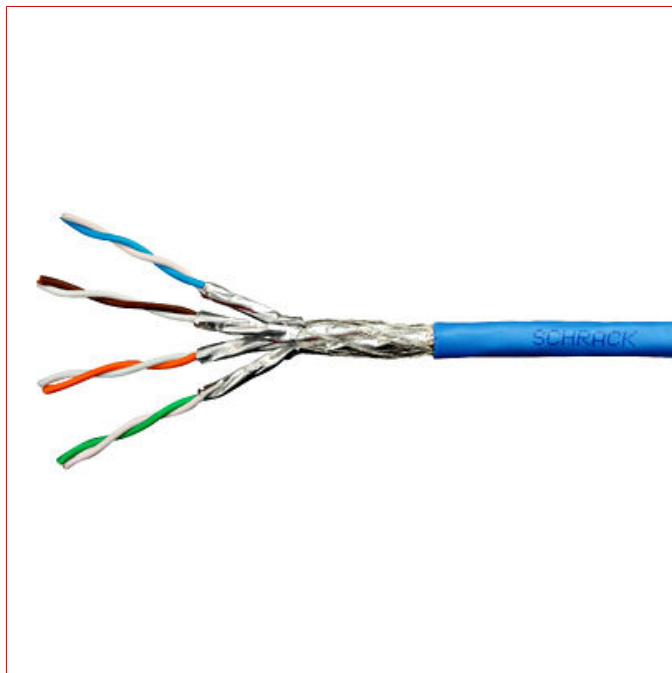


Данни за артикула: HSKP423HP5

S/FTP Кабел Cat.7, 4x2xAWG23/1, 1.000Mhz, LSH, 30%, 500m

Барабан 500m



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-TX, 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



Технически данни

Категория	Cat.7
Конструкция на кабела	S/FTP
Conductor material	Solid bare copper AWG23/1 (0.58mm)

Технически данни - продължение

Color code pairs	Pair 1 White / Blue Pair 2 White / Orange Pair 3 White / Green Pair 4 White / Brown
Брой на двойките	4, усукани заедно
Изолационен материал	Foamed polyethylene
Nominal diameter over insulation (mm)	1 43
Екранировка	ширмован
Pair-Foil	Laminated aluminium polyester, Aluminium facing outside (PiMF)
Overall Shield	Solid tinned copper
Braid coverage (%)	30
Ripcord	Nylon
Външна изолация на кабела	LSOH
Изолация на кабела	LSOH, FRNC в съответствие с: IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Euroclass, съгласно EN50575	Dca
Дим	s2
Droplets	d1
Acidity	a1
Sheath colour	blue, RAL 5015
Burning load (kJ/m)	500
Външен диаметър (mm)	7
Weight nominal (kg/km)	52
Цвят	Синьо
Температурен обхват - работен (°C)	-30 to +60
Температурен обхват - при инсталиране (°C)	+0 to +50
Bending radii cable - Static (Ø)	4
Bending radii cable - Dynamic (Ø)	8
Max. pulling tension (N)	110
Номинално напрежение	≤72V DC and ≤50V AC
Max. continuous current per conductor (25°C) (A)	1,5
DC устойчивост при 20° C (Ohm/100m)	≤9,5
Дисбаланс на съпротивлението: в двойка/между двойки (%)	≤2 / ≤4
D.C. insulation resistance: conductor – conductor and conductor – screen (MΩ*km)	≥ 5000
Dielectric strength conductor – conductor (2 sec) (kV DC)	2,5
Dielectric strength conductor – screen (2 sec) (kV DC)	2,5
Вместимост (nF/km)	≤56
Capacitance unbalance pair to ground (pF/km)	≤1600
NVP (%)	78

Технически данни - продължение

Опаковка	500м барабан
IEEE Compliance	PoE: IEEE 802.3bt Type 1, Type 2, Type 3, Type 4

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

	Freq. (MHz)	Specification	Unit
NVP (Nominal velocity of propagation)	4 – 600	0.78	c
Skew	4 – 600	≤ 25	ns/100m
Propagation delay	4 – 600	≤ 534 + 36/Vf	ns/100m
Attenuation	4 – 600	≤ 1.8 * Vf + 0.01 * f + 0.20/Vf	dB
TCL, level 1 (Transverse conversion loss)	1 – 250	> 40 – 10 * log (f)	dB
ELTCL (Equal level transverse conversion loss)	1 – 30	> 35 – 20 * log (f)	dB
NEXT (Near end cross talk)	4 – 600	≥ 102.4 - 15 * log (f) (78 max.)	dB
PS NEXT (Power sum near end cross talk)	4 – 600	≥ 99.4 - 15 * log (f) (75 max.)	dB
ACR-N (Attenuation cross talk ratio)	4 – 600	NEXT – Dämpfung	dB
PS ACR-N (Power sum attenuation cross talk ratio)	4 – 600	PSNEXT – Dämpfung	dB
ACR-F (Equal level far end cross talk)	4 – 600	≥ 95.3 - 20 * log (f) (78 max.)	dB
PS ACR-F (Power sum equal level far end cross talk)	4 – 600	≥ 92.3 - 20 * log (f) (75 max.)	dB
Input impedance open / short (Zo/s)	4 – 600	100	Ω
RL (Return loss)	4 ≤ f ≤ 10	≥ 20 + 5 * log (f)	dB
	10 ≤ f ≤ 20	≥ 25	dB
	20 ≤ f ≤ 600	≥ 25 - 7 * log (f/20)	dB
Coupling attenuation (type I)	30 – 100	≥ 70	dB
	100 – 1000	≥ 70 - 20 * log (f/100)	dB
Transfer impedance (ZT, grade 1)	1	< 50	mΩ/m
	10	< 100	mΩ/m
	30	< 200	mΩ/m
	100	< 1000	mΩ/m

REFERENCE STANDARD: IEC 61156-5

Frequency	1	4	10	16	31,2	62,5	100	125	200	250	300	600	1000	MHz
Attenuation	2	3.7	5.9	7.4	10.4	14.9	19	21.4	27.5	31.0	34.2	50.1	66.9	dB/100m
NEXT	78	78	78	78	78	75.5	72.4	70.9	67.9	66.4	65.2	60.7	57.4	dB/100m
PS NEXT	75	75	75	75	75	72.5	69.4	67.9	64.9	63.4	62.2	57.7	54.4	dB/100m
ACR-N	76.0	74.3	72.1	70.6	67.6	60.6	53.4	49.6	40.4	35.5	40.4	10.6	-9.5	dB/100m
PS ACR-N	73	71.3	69.1	67.6	64.6	57.6	50.4	46.6	37.4	32.5	28.1	7.6	-12.5	dB/100m
ACR-F	78	78	75.3	71.2	65.4	59.4	55.3	53.4	49.3	47.3	45.8	39.7	35.3	dB/100m
PS ACR-F	75	75	72.3	68.2	62.4	56.4	52.3	50.4	46.3	44.3	42.8	36.7	32.3	dB/100m
RL	20	23	25	25	23.6	21.5	20.1	19.4	18	17.3	17.3	17.3	17.3	dB/100m

* Limits below 4 MHz and at 1000 MHz are informative.

TYPICAL VALUES

Frequency	1 *	4	10	16	31,3	62,5	100	125	200	300	600	1000	MHz
Attenuation	1,8	3,3	5,3	6,7	9,4	13,4	17,1	19,3	26,7	30,8	45,5	60,3	dB/100m
NEXT	103	100	98	97	95	94	93	92	91	90	89	88	dB/100m
PS NEXT	100	97	95	94	92	91	90	89	88	87	86	85	dB/100m
ACR-N	101	97	93	91	85	81	76	71	64	59	43	28	dB/100m
PS ACR-N	98	94	90	88	82	78	73	70	61	56	40	25	dB/100m
ACR-F	95	94	93	91	90	87	85	83	77	74	60	50	dB/100m
PS ACR-F	92	91	92	88	87	84	82	80	74	71	57	47	dB/100m
RL	27	30	32	32	35	33	32	31	30	25	23	21	dB/100m

* Limits below 4 MHz and values at 1000 MHz are for information only.

Таблица с артикули

Описание	NVP (%)	Тегло на медта (kg/km)	Артикулен No.
S/FTP Кабел Cat.7, 4x2xAWG23/1, 1.000Mhz, LS0H, 30%, 500m Барабан 500m	78	25,5	HSKP423HP5
Акcesoари			
S-JACK Кийстоун жак RJ45 екp. 10GB 4PPoE 100W Cat.6a, 24 бp. 4PPoE 100W, SFB			HSEMRJ6GS2
S-JACK Кийстоун жак RJ45 екp. 10GB, 4PPoE 100W Cat.6a, 1 бp. 4PPoE 100W, SFB			HSEMRJ6GS1
TOOLLESS LINE Кийстон жак RJ45 екpан., Cat.6a 10GB, 24 бpоя 4PPoE 100W, (SFB), Type: HSEMRJ6GBA			HSEMRJ6GB2
TOOLLESS LINE Кийстоун жак RJ45 екpаниpан, Cat.6a, 10GB (SFB) (SFB)			HSEMRJ6GBA
TOOLLESS LINE Кийстоун жак RJ45 екpаниpан, Cat.6a, 10GB (SFA) (SFA)			HSEMRJ6GWA
TOOLLESS LINE Кийстоун жак RJ45 екpаниpан, Клас Ea, 10GB(SFA) (SFA)			HSEMRJ6GWT
Стойка за барабани с кабели до 250kg, широчина до 52cm			HTOOL000006
Велкро лента синя 16mm x 4m			Q7KB0416-B
Велкро лента за кабели червена 16mm x 4m			Q7KB0416-R
Велкро кабелна лента черна 16mm x 4m			Q7KB0416-S
Велкро кабелна лента жълта 16mm x 4m			Q7KB0416-Y
Велкро кабелна лента зелена 16mm x 4m			Q7KB0416-U