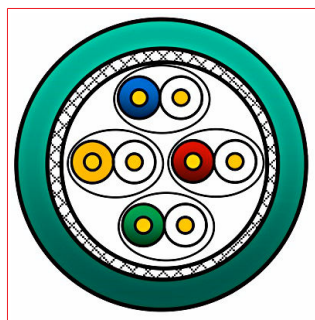
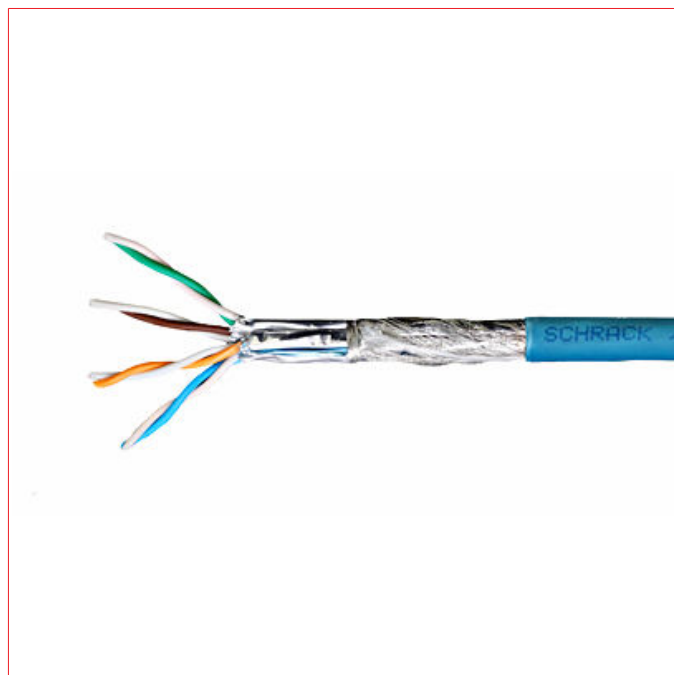


Tehnički list za artikl: HVKP423BA5

S/FTP kabel cat.7 4x2xAWG23/1, 1200 MHz, LS0H-3, B2ca, 65%

Bubanj 500m



SCHRACK-Info

Installation cables for generic, structured network cabling systems

- Horizontal and building backbone cable
- Support all applications requiring Class D to Class F applications, such as:
10GBase-T (10 Gigabit Ethernet), 1000Base-T (Gigabit Ethernet), 100 Base-T, 10 Base-T, FDDI, ATM as well as VoIP, PoE

GENERAL STANDARDS

- International standard: ISO/IEC 11801 2nd edition (2002) and ISO/IEC 11801 Amendment 2 (2010)
- European standard: EN 50173-1 (2011)

S/FTP

Cat. 7

LS0H-3

B2_{ca}

Tehnički podaci

Kategorija	Cat.7
Kabelski oklop	S/FTP
Izvedba vodiča	4 individual shielded pairs
Materijal vodiča	Solid bare copper AWG23/1 (0.58mm)

Tehnički podaci - nastavak

Boja	Pair 1 White / Blue Pair 2 White / Orange Pair 3 White / Green Pair 4 White / Brown
Insulation material	Foamed polyethylene
Nominal diameter over insulation (mm)	1.45
Oklop	Oklopljen
Pair-Foil	Foil
Overall Shield	Solid tinned copper
Braid coverage (%)	65
Ripcord	Nylon
Vanjski omotač kabela	LS0H-3
Euroclass acc. to EN50575	B2ca
Smoke production	s1
Droplets	d1
Acidity	a1
Požarno opterećenje (kJ/m)	585
Smoke density - transmittance (%)	> 60
Amount of halogen acid gas - pH	> 4.3
Amount of halogen acid gas - Conductivity (μS/m)	< 10
Outside diameter (mm)	7.2 +0.3/-0.1
Weight nominal (kg/km)	74
Sheath colour	waterblue, RAL 5021
Duljina/pakiranje	500m - bubanj
Min. temperatura okoline (°C)	-30
Maks. temperatura okoline (°C)	60
Radna temperatura (°C)	-30 to +60
Temperature range - Installation (°C)	+0 to +50
Bending radii cable - Static (Ø)	4
Bending radii cable - Dynamic (Ø)	8
Max. pulling tension (N)	110
Nazivni napon	72 VDC
Max. continuous current per conductor (25°C) (A)	1.5
DC resistance at 20° C (Ohm/100m)	< 9.5
D.C. insulation resistance: conductor – conductor and conductor – screen (MΩ*km)	≥ 5000
Dielectric strength conductor – screen (2 sec) (kV DC)	2.5
Mutual capacitance (nF/km)	< 56
Capacitance unbalance pair to ground (pF/km)	< 1600
Resistance difference (%)	< 2 / < 4
Elongation at break of the conductors (%)	10
Minimum elongation at break of the insulation (%)	≥ 100
Minimum elongation at break of the sheath (%)	≥ 100

Tehnički podaci - nastavak

Tensile strength of sheath (MPa)	> 9
Maximum continuous current per conductor (@ 25°C) (A)	1.5
SKEW (ns/100m)	≤ 25
NVP (%)	76
Neto duljina (mm)	1.000,00
Neto masa (kg)	0,07
Neto promjer (mm)	7,20

STANDARD: IEC 61156-5

Električni parametri pri 20 °C	Frekv. (MHz)	Specifikacije	Jedinica
Kašnjenje signala zbog propagacije	4-600	$\leq 534 + 36/\sqrt{f}$	ns/100m
Longitudinalno prigušenje	4-600	$\leq 1.80 \cdot \sqrt{f} + 0.01 \cdot f + 0.20/\sqrt{f}$	dB
TCL, level 1 (gubici zbog nesimetrije na bližem kraju)	1-250	$> 40 - 10 \cdot \log(f)$	dB
ELTCL (jednaka razina gubitaka zbog nesimetrija na daljnjem kraju)	1-30	$> 35 - 20 \cdot \log(f)$	dB
NEXT (preslušavanja na bližem kraju)	4-600	$\geq 102.4 - 15 \cdot \log(f)$ (78 maks.)	dB
PS NEXT (zbroj preslušavanja na bližem kraju)	4-600	$\geq 99.4 - 15 \cdot \log(f)$ (75 maks.)	dB
ACR-F (odnos prigušenje i preslušavanja na daljnjem kraju)	4-600	$\geq 95.3 - 20 \cdot \log(f)$ (78 maks.)	dB
PS ACR-F (odnos prigušenja i gubitaka zbog preslušavanja na daljnjem kraju)	4-600	$\geq 92.3 - 20 \cdot \log(f)$ (75 maks.)	dB
ACR (odnos prigušenje i preslušavanja)	4-600	NEXT- longitudinalno prigušenje	dB
PS ACR (odnos prigušenja i gubitaka zbog preslušavanja)	4-600	PSNEXT - longitudinalno prigušenje	dB
RL (gubici zbog povratnog signala)	$4 \leq f \leq 10$	$\geq 20 + 5 \cdot \log(f)$	dB
	$10 \leq f \leq 20$	≥ 25	dB
	$20 \leq f \leq 600$	$\geq 25 - 7 \cdot \log(f/20)$, (17.3 min)	dB
Gubici zbog spojeva (tip I)	30-100	≥ 85	dB
	100-1200	$\geq 85 - 20 \cdot \log(f/100)$	dB
Impedancija na spojevima (ZT, grade 1)	1	< 10	mΩ/m
	10	< 10	mΩ/m
	30	< 30	mΩ/m
	100	< 100	mΩ/m

STANDARD: IEC 61156-5

Visoka frekvencija @ 20°C

TIP	1 *	4	10	16	31.2	62.5	100	125	200	300	600	1000*	1200*	MHz
Prigušenje	2.0	3.7	5.9	7.4	10.4	14.9	19.0	21.4	27.5	34.2	50.1	66.9	74.4	dB/100m
NEXT	78.0	78.0	78.0	78.0	78.0	75.5	72.4	70.9	67.9	65.2	60.7	57.4	59.2	dB/100m
PS NEXT	75.0	75.0	75.0	75.0	75.0	72.5	69.4	67.9	64.9	62.2	57.7	54.4	56.2	dB/100m
ACR	76.0	74.3	72.1	70.6	67.6	60.6	53.4	49.6	40.4	31.1	10.6	-9.5	-15.2	dB/100m
PS ACR	73.0	71.3	69.1	67.6	64.6	57.6	50.4	46.6	37.4	28.1	7.6	-12.5	-18.2	dB/100m
ACR-F	78.0	78.0	75.3	71.2	65.4	59.4	55.3	53.4	49.3	45.8	39.7	35.3	33.7	dB/100m
PS ACR-F	75.0	75.0	72.3	68.2	62.4	56.4	52.3	50.4	46.3	42.8	36.7	32.3	30.7	dB/100m
Gubici zbog povratnog signala	20.0	23.0	25.0	25.0	23.6	21.5	20.1	19.4	18.0	17.3	17.3	17.3	17.3	dB/100m
TCL razina 1	40.0	34.0	30.0	28.0	25.1	22.0	20.0	19.0	17.0					dB/100m
EL TCTL	35.0	23.0	15.0	10.9	5.1									dB/100m
Impedancija - gornja granica	122.2	115.2	111.9	111.9	114.1	118.3	121.9	123.9	128.8	131.6	131.6	131.6	131.6	Ω
Impedancija - donja granica	81.8	86.8	89.4	89.4	87.7	84.5	82.0	80.7	77.6	76.0	76.0	76.0	76.0	Ω
Kašnjenje signala	570	552	545	543	540	539	538	537	536	536	535	535	535	ns/100m

* Vrijednosti ispod 4 MHz i vrijednosti pri 1000 MHz su informativne.

TIPIČNE VRIJEDNOSTI

TIP	1 *	4	10	16	31.2	62.5	100	125	200	300	600	1000	1200	MHz
Prigušenje	1.8	3.3	5.3	6.7	9.4	13.4	17.1	19.3	26.7	30.8	45.5	67.1	60.3	dB/100m
NEXT	103	100	98	97	95	94	93	92	91	90	89	87	88	dB/100m
PS NEXT	100	97	95	94	92	91	90	89	88	87	86	84	85	dB/100m
ACR	101	97	93	91	85	81	76	73	64	59	43	20	28	dB/100m
PS ACR	98	94	90	88	82	78	73	70	61	56	40	17	25	dB/100m
ACR-F	95	94	93	91	90	87	85	83	77	74	60	45	30	dB/100m
PS ACR-F	92	91	92	88	87	84	82	80	74	71	57	42	47	dB/100m
Gubici zbog povratnog signala	27	30	32	32	35	33	32	31	30	25	23	21	21	dB/100m

Tipične vrijednosti su samo za informaciju.

Tablica artikla

OPIS	NVP (%)	MASA BAKRA (kg/km)	KAT. BROJ
S/FTP kabel cat.7 4x2xAWG23/1, 1200 MHz, LS0H-3, B2ca, 65% Bubanj 500m	76	32,5	HVKP423BA5
Dodatni pribor			
PERFORMANCE LINE RJ45 modul oklopljen, cat.6a 10GB 4PPoE 100W (SFB)			HSPMRJ6G1A
PERFORMANCE LINE RJ45 modul oklop., cat.6a 10GB 4PPoE, 24kom (SFB), pakiranje od 24 komada			HSPMRJ6G2A
Nosač kabel. bubnja pri odmatanju, do 250kg, bubanj do 52cm			HTOOL00006
Čičak vezica crna 16mm x 4m			Q7KB0416-S
Čičak vezica plava 16mm x 4m			Q7KB0416-B
Čičak vezica crvena 16mm x 4m			Q7KB0416-R
Čičak vezica žuta 16mm x 4m			Q7KB0416-Y
Čičak vezica zelena 16mm x 4m			Q7KB0416-U