

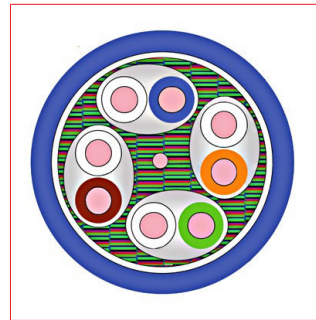
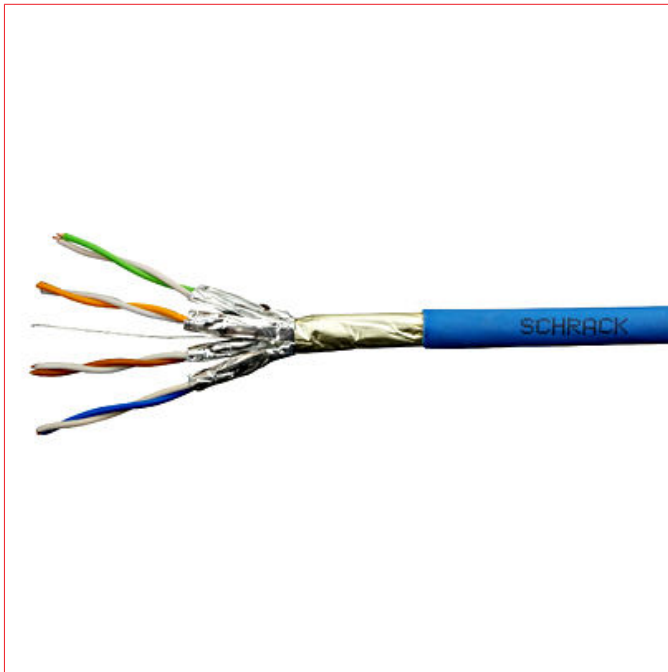
Tehnički list za artikl: HSKP423HA5

F/FTP inst. kabel

cat.6a, 4x2xAWG23/ 1, 500MHz, LSOH-3, Dca

, plavi

Bubanj 500m



SCHRACK info

The F/FTP Cat. 6_A cable is specified up to 500 MHz and provides transmission performance meeting Category 6_A cable specifications EN 50288-10 and Category 6_A specification according to IEC 61156-5 (Ed.2 – 2009) Outstanding system headrooms of the complete cabling system in compliance with ISO/IEC 11801 (2010) and EN 50173. Outstanding performance for the transmission of digital data signals for applications up to 10GbE in compliance with the new Class E_A and IEEE 802.3an standard. These cables are low skew products, i.e. the difference in propagation delay between the individual pairs is very low. This is increasingly being requested for Gigabit Ethernet and 10 Gigabit Ethernet. The suitability of the cable for high-bit-rate transmission systems ensures a high degree of future proofing. Additional features are the slim design and low weight of the cables. Each pair is individually shielded with foil (FTP). The twisted pairs are additionally enclosed with a foil shielding (F/FTP) to provide superior shielding performance. The cable thus exceeds the requirements for EN 55022 Class B emission and EN 55024 immunity, enabling networks to be built which are compliant with the standards on electromagnetic compatibility. The compact design allows the cables to be installed flat or folded together.

CHARACTERISTICS

- Specified up to 500 MHz
- Fulfills the requirements of the standards EN 50288-10 up to 500 MHz, IEC 61156-5 and „Cat. 6 augmented“ in compliance with TIA/EIA 568 and IEC61156-5 (Ed.2 – 2009)
- Outstanding electrical characteristics
- Tinned ground wire centrally running in

- Complete shielding with metal foil
- Low propagation delay and low delay skew between the pairs
- Halogen-free version LS0H-3 to IEC 60332-3-24; IEC 60332-1; IEC 60754-2; IEC 61034



Tehnički podaci

Neto duljina (mm)	1.000,00
Neto masa (kg)	0,05
Bit rate	10Gbit
Kategorija	Cat.6A
Kabelski oklop	F/FTP
Vanjski omotač kabela	LS0H-3
Izvedba vodiča	4 zasebne oklopljene parice, upletene
Materijal vodiča	Puna bakrena žica AWG23/1
Boja	Pair 1 White / Blue Pair 2 White / Orange Pair 3 White / Green Pair 4 White / Brown
Izolacija žile	Halogen-free foam/skin material
Drain wire	AWG26/1
Insulation material	Polyethylene (PE)
Oklop	Oklopljen
Pair-Foil	Laminated aluminium polyester, Aluminium facing outside (PiMF)
Overall Shield	Aluminum foil
Plast/omotač	LS0H-3: IEC 60332-3-24 IEC 60332-1 IEC 60754-2 IEC 61034
Euroclass acc. to EN50575	Dca
Smoke production	s2
Droplets	d2
Acidity	a1
Fire performance according IEC 60332-1	Yes
Požarno opterećenje (kJ/m)	570
Outside diameter (mm)	7,2
Neto promjer (mm)	7,20
Weight nominal (kg/km)	48
Boja	plava
Duljina/pakiranje	500m - bubanj
Min. temperatura okoline (°C)	-20
Maks. temperatura okoline (°C)	60
Radna temperatura (°C)	-20 to +60

Tehnički podaci - nastavak

Temperature range - Installation (°C)	+0 to +50
Bending radii cable - Operation (longterm) (Ø)	3
Bending radii cable - Installation (shortterm) (Ø)	7
Max. pulling tension (N)	110
Nazivni napon	< 72V DC i < 50V AC
Insulation resistance	> 2000MΩxkm
Propagation delay (ns/m)	4,2
Mutual capacitance (nF/km)	48
Loop resistance (Ω/km)	< 176 Ω/km
Resistance difference (%)	< 2%
Coupling Resistance	50mΩ /m bei 10MHz
Impedance	at 0.064 MHz: 125 Ω ± 20% at 1 up to 100 MHz: 100 Ω ± 15% at 101 up to 250 MHz: 100 Ω ± 22% at 251 up to 600 MHz: 100 Ω ± 22%
Longitudinal conversion loss dB/ref.	Length = 100 m: > 46 dB at 64 kHz Length = 100 m: > 40 dB at 1 MHz Length = 100 m: > 20 dB at 100 MHz
Grounding coupling at 0.001 MHz (pF/km)	1000
SKEW (ns/100m)	<20ns/100m
NVP (%)	79
Pakiranje	Bubanj 500m

STANDARD: IEC 61156-5

Frekvencija	1	10	16	20	31,25	62,5	100	250	500	MHz
Prigušenje	2,1	5,9	7,5	8,4	10,5	15	19,1	31,1	45,3	dB/100m
NEXT	75,3	60,3	57,2	55,8	52,9	48,4	45,3	39,3	34,8	dB/100m
PS NEXT	72,3	57,3	54,2	52,8	49,9	45,4	42,3	36,3	31,8	dB/100m
ACR-F	68	48	43,9	42	38,1	32,1	28	20	14	dB/100m
PS ACR-F	65	45	40,9	39	35,1	29,1	25	17	11	dB/100m
ACR-N	73,2	54,4	49,8	47,4	42,4	33,4	26,2	8,3	-10,4	dB/100m

TIPIČNE VRIJEDNOSTI

Frekvencija	1	10	16	20	31,25	62,5	100	250	500	MHz
Prigušenje	1,8	5,3	6,8	7,6	9,6	13,6	17,3	27,7	41,9	dB/100m
NEXT	>100	>100	>100	>100	>100	97	95	90	83	dB/100m
PS NEXT	98	98	98	98	98	95	93	88	81	dB/100m
ACR-F	93	93	93	93	90	86	83	70	57	dB/100m
PS ACR-F	90	90	90	90	87	83	80	67	54	dB/100m
ACR-N	98,2	94,7	93,2	92,4	90,4	83,4	77,7	62,3	41,1	dB/100m

Tipične vrijednosti su samo za informaciju.

Tablica artikla

OPIS	NVP (%)	KAT. BROJ
F/FTP inst. kabel cat.6a,4x2xAWG23/1,500MHz,LS0H-3,Dca,plavi Bubanj 500m	79	HSKP423HA5
Dodatni pribor		
S-JACK modul RJ45 oklopljen, cat.6a 10GB, 4PPoE 100W SFB 24 kom. u kutiji		HSEMRJ6GS2
S-JACK modul RJ45 oklop., cat.6a 10GB, 4PPoE 100W SFB		HSEMRJ6GS1
TOOLLESS LINE modul RJ45 oklop., cat.6a 10GB, 4PPoE 100W SFB (SFB)		HSEMRJ6GBA
TOOLLESS LINE modul RJ45 oklop., cat.6a 10GB, 4PPoE 100W SFA (SFA)		HSEMRJ6GWA
Nosač kabel. bubnja pri odmatanju,do 250kg,bubanj do 52cm		HTOOL00006
Čičak vezica plava 16mm x 4m		Q7KB0416-B
Čičak vezica crvena 16mm x 4m		Q7KB0416-R
Čičak vezica crna 16mm x 4m		Q7KB0416-S
Čičak vezica žuta 16mm x 4m		Q7KB0416-Y
Čičak vezica zelena 16mm x 4m		Q7KB0416-U