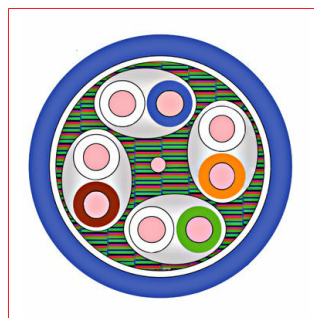
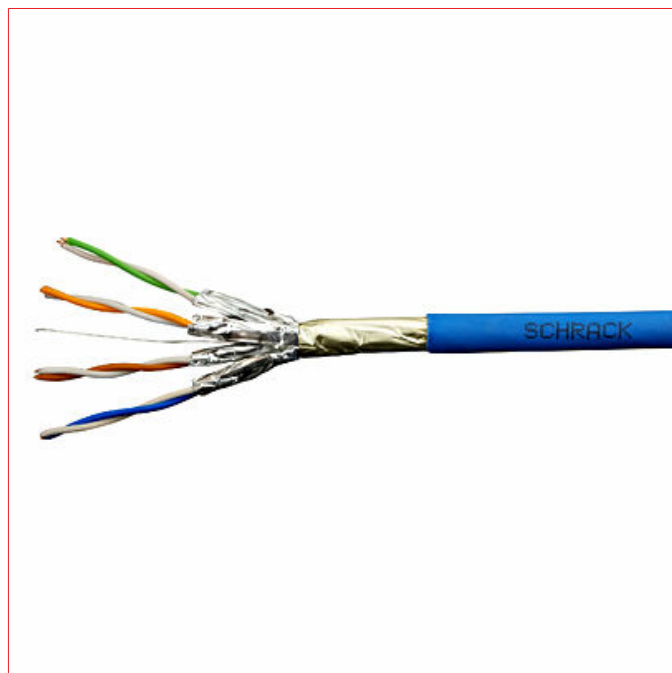


Podatkovni list izdelka: HSKP423HA0

Kabel, F/FTP, C6a, 500 4x2xAWG23 HFR, moder, kolut 500-1000m

Kolut: 500m, klasifikacija: Dca, s2, d2, a1



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



Tehnični podatki

Kategorija	Cat.6A
Kabelski oklop	F/FTP
Sestava vodnika	4 posamezne oklopljene parice
Vodnik	Baker AWG23/1
Barvno kodiranje paric	Parica 1 bela/modra Parica 2 bela/oranžna Parica 3 bela/zelena Parica 4 bela / rjava
Hitrost prenosa	10Gbit
Izolacija žice	Brez halogena
Drain wire	AWG26/1
Izolacijski material	Polietilen (PE)
Oklop	Oklopljen
Oklop paric	Laminiran poliestar iz aluminija, aluminij zunaj (PiMF)
Celotni oklop	Aluminijasta folija
Kabelski plašč	LS0H-3
Plašč	LS0H-3: IEC 60332-3-24 IEC 60332-1 IEC 60754-2 IEC 61034
Klasifikacija glede na EN50575	Dca
Razvoj/gostota dima	s2
Razvoj vnetljivih kapljic	d2
Razvoj kislin	a1
Ognjevarno glede na IEC 60332-1	Da
Burning load (kJ/m)	570
Zunanji premer (mm)	7,2
Nominalna teža (kg/km)	48
Barva	modra
Najnižja temperatura okolice (°C)	-20
Najvišja temperatura okolice (°C)	60
Temperaturno območje - delovanje (°C)	-20 do +60
Temperaturno območje - montaža (°C)	+0 do +50
Polmer upogibanja kabla - statično (Ø)	3
Polmer upogibanja kabla - dinamično (Ø)	7
Največja napetost vlečenja (N)	110
Nazivna napetost	< 72V DC in < 50V AC
Izolacijska upornost	> 2000MΩxkm

Tehnični podatki - Nadaljevanje

Propagation delay (ns/m)	4,2
Mutual capacitance (nF/km)	48
Loop resistance (Ω /km)	< 176 Ω /km
Razlika upornosti (%)	< 2%
Coupling Resistance	50m Ω /m pri 10MHz
Impedanca	pri 0.064 MHz: 125 Ω $\pm$ 20% od 1 do 100 MHz: 100 Ω $\pm$ 15% od 101 do 250 MHz: 100 Ω $\pm$ 22% od 251 do 600 MHz: 100 Ω $\pm$ 22%
Longitudinal conversion loss dB/ref.	Dolžina = 100 m: > 46 dB pri 64 kHz Dolžina = 100 m: > 40 dB pri 1 MHz Dolžina = 100 m: > 20 dB pri 100 MHz
Grounding coupling at 0.001 MHz (pF/km)	1000
SKEW (ns/100m)	<20ns/100m
NVP (%)	79
Neto dolžina (mm)	1.000,00
Neto teža (kg)	0,05
Neto premer (mm)	7,20
Pakiranje	Kolut 1000m Kolut 500m

REFERENCE STANDARD: IEC 61156-5

Frequency	1	10	16	20	31,25	62,5	100	250	500	MHz
Attenuation	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

TYPICAL VALUES

Frequency	1	10	16	20	31,25	62,5	100	250	500	MHz
Attenuation	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

Typical values are for information only.

Tabela izdelkov

Opis	NVP (%)	Teža bakra (kg/km)	Šifra
Kabel, F/FTP, C6a, 500 4x2xAWG23 HFR, moder, kolut 500-1000m Kolut: 500m, klasifikacija: Dca, s2, d2, a1	79	20	HSKP423HA0
Dodatna oprema			
PERFORMANCE LINE modul RJ45 oklopljen kat.6a 10GB PoE+ (SFB)			HSPMRJ6G1A
PERFORMANCE LINE modul RJ45 oklopljen kat.6a 10GB PoE+ (SFB), 24 kosov			HSPMRJ6G2A
Modul, RJ45, TOOLLESS LINE, oklop., kat.6a 10GB 4PPoE (100W) AMD2			HSEMRJ6GWA
Stojalo za kabelski kolut, nosilnost 250kg maks. širina koluta 52cm			HTOOL00006
Trak za spajanje kablov v snope na ježka, črn, 16mm x 4m			Q7KB0416-S
Trak za spajanje kablov v snope na ježka, moder, 16mm x 4m			Q7KB0416-B
Trak za spajanje kablov v snope na ježka, rdeč, 16mm x 4m			Q7KB0416-R
Trak za spajanje kablov v snope na ježka, rumen, 16mm x 4m			Q7KB0416-Y
Trak za spajanje kablov v snope na ježka, zelen, 16mm x 4m			Q7KB0416-U