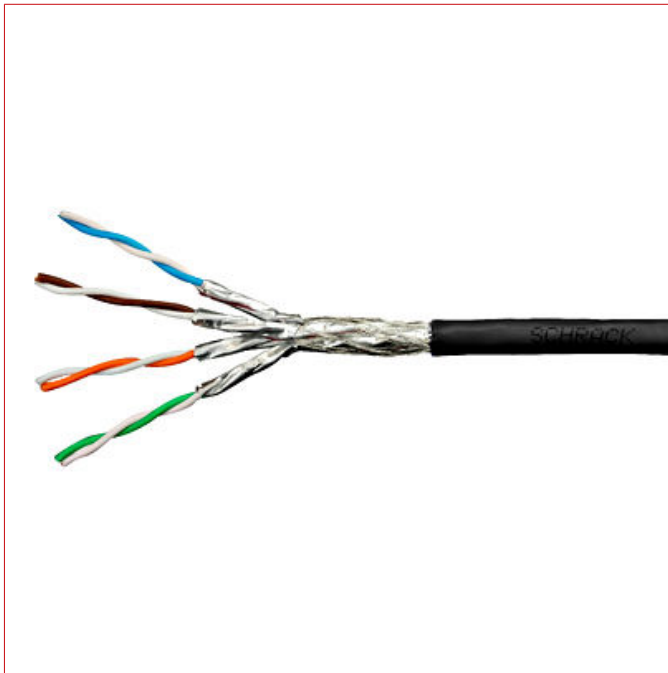


Tehničke karakteristike artikla: HSKP423355

Kabl inst.Cat.7 S/FTP - 1000 Mhz, 4x2xAWG-23, LSOH-3, crni

S/FTP instalacijski kabl cat.7, 4x2xAWG23/1, 1.000Mhz, LSOH-3, Dca-s1,d2,a1, 30%, crni, bubanj 500m



SCHRACK-Info

AREA OF APPLICATION

Installation cable for use in structured building cabling according to ISO/IEC 11801 and EN 50173 (3rd edition). Most suitable for all applications of classes D to F Multimedia (video, data, voice) >10 GbE according to IEEE 802.3 an, Cable sharing, VoIP, PoE/PoE+

PERFORMANCE CHARACTERISTICS

- better than category 7 according to EN 50288 and IEC 61156
- outstanding NEXT
- excellent shielding properties (pair and overall shielding)
- low Skew
- Bandwidth (typical): 1000 MHz

STRUCTURE AND MECHANICAL PROPERTIES

- Conductor: bare Cu wire, AWG 23/1
- Insulation: cellular PE, core Ø: nominal 1.5mm
- Stranded element: pair
- Overall shield: tinned copper braid

- Outer jacket: halogen-free, flame-retardant compound
- Transverse compressive strength (N/100mm): 1000N
- Impact resistance (number of blows): 10

FIRE BEHAVIOR

- Flame resistance: according to IEC60332-3-24
- Halogen-free: according to IEC 60754-1/2
- Smoke density: according to IEC 61034-1/2
- Acid formation: according to EN 60754-2
- Class: Dca s1 d2 a1 according to EN 50575 / EN 50399

ELECTROMAGNETIC BEHAVIOR

- Coupling resistance at 10 MHz (mOhm/m): 10 (nominal value)
- Shielding attenuation up to 1000 MHz (dB): 55 (nominal value)
- Coupling attenuation up to 1000 MHz (dB): 75 (nominal value)
- Separation class according to EN 50174-2: c

ELECTRICAL PROPERTIES AT 20°C

- DC resistance (Ohm/km): 75 (max.)
- Insulation resistance (GOhm x km): 5 (min.)
- Operating capacitance (pF/m): 43 (guide value)
- Capacitive coupling (e) (pF/km): 1100 (guide value)
- Signal velocity (c): 0.79 (guide value)
- Signal propagation time (ns/100m): 424 (guide value)
- Skew at 100 MHz (ns/100m): 5 (guide value)
- Characteristic impedance at 100MHz (Ohm): 100±5
- Test voltage Ueff (V): 1000
- Operating voltage (V): 125 (max.)



Tehnički podaci

Kategorija	Cat.7
Oklop kabla	S/FTP
Materijal provodnika	Bakar AWG23/1 (0.58mm)
Kod boja	Par 1 Bela / Plava Par 2 Bela / Narandžasta Par 3 Bela / Zelena Par 4 Bela / Braon
Broj parica	4, svi zajedno
Materijal izolacije	Penasti polietilen
Nominalni prečnik izolacije (mm)	1,5
Oklop	oklopljen

Tehnički podaci - nastavak

Folija	Laminirani aluminijumski poliester, aluminijum okrenut ka spolja (PiMF)
Ukupan ekran	Pun bakar
Pokrov pletenice (%)	30
Uže	Najlon
Spoljni omotač kabla	LSOH-3
Plasť/omotač	LSOH-3, FRNC u skladu sa: IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Euroclass u skladu sa EN50575	Dca
Razvoj/gustina dima	s1
Goreće kapljice	d2
Razvoj kiseline/korozivnost	a1
Boja plasťa	black, RAL 9005
Gorivost (kJ/m)	600
Gustina dima - prolaznost (%)	nach IEC 61034-1/2
Spoljni prečnik (mm)	7,4
Nominalna težina (kg/km)	57
Opis boje	crno
Temperaturni okvir - Operativni (°C)	-20 do +60
Temperaturni okvir - instalacije (°C)	+0 do +50
Radius savijanja kabla - statični (Ø)	4
Radius savijanja kabla - Dinamični (Ø)	8
Max. tenzija pri izvlačenju (N)	110
Nazivni napon	72 VDC
Maksimalna jednosmerna struja po provodniku (25°C) (A)	1,5
DC otpor na 20° C (Ohm/100m)	≤9,5
Asimetrija otpora: u parovima / između parova (%)	≤2 / ≤4
DC otpornost izolacije (MΩ*km)	≥ 5000
Dielektrični provodnik (2 sec) (kV DC)	2,5
Dielektrični provodnik - oklopljen (2 sec) (kV DC)	2,5
Radni kapacitet (nF/km)	≤56
Nesimetrija kapaciteta (pF/km)	≤1600
PoE	Da
PoE+	Da
Zaštitno prigušenje do 1000MHz (dB)	55
NVP (%)	79
Dužina/pakovanje	500m - bubanj
IEEE sukladnost	PoE: IEEE 802.3bt Type 1, Type 2, Type 3, Type 4
Neto dužina (mm)	1.000,00
Neto prečnik (mm)	7,40
Neto težina (kg)	0,06
Min. temperatura okoline (°C)	-30
Maks. temperatura okoline (°C)	60

Tehnički podaci - nastavak

Serijski

DE-EMBEDDED LINE

Lista fajlova: S/FTP Kabel Cat.7, 4x2xAWG23/1, 1000MHz, LSOH-3, Dca, 30%

Frekvencija (MHz)	Dämpfung (dB/100m)		NEXT (dB)		PS_NEXT (dB)		ACR (dB@100m)		PS_ACR (dB@100m)		EL_FEXT (dB@100m)		PS_ELFEXT (dB@100m)		RL (dB)	
	typ.	Kat.7 max.*	typ.	Kat.7 min.*	typ.	Kat.7 min.*	typ.	Kat.7 min.*	typ.	Kat.7 min.*	typ.	Kat.7 min.*	typ.	Kat.7 min.*	typ.	Kat.7 min.*
1	1,9	2	102	80	99	77	101	78	98	75	109	80	106	77	29	23
10	4,8	5,7	102	80	99	77	98	74	95	71	108	74	105	71	28	25
100	16,4	18,5	102	72	99	69	86	54	83	51	93	54	90	51	27	20,1
200	24,5	26,8	102	68	99	65	78	41	75	38	85	48	82	45	25	18
250	27,8	30,2	102	66	99	63	75	36	72	33	82	46	79	43	24	17,3
450	36,1	41,6	97	63	94	60	61	21	58	18	72	41	69	38	22	17,3
500	38,2	44,1	97	62	94	59	59	18	56	15	68	40	65	37	21	17,3
600	42,9	48,9	92	61	89	58	49	12	46	9	62	38	59	35	20	17,3
700	47,7	-	92	-	89	-	44	-	41	-	59	-	56	-	19	-
800	50,8	-	90	-	87	-	39	-	36	-	56	-	53	-	18	-
900	55,1	-	85	-	82	-	30	-	27	-	52	-	49	-	17	-
1000	58	-	80	-	77	-	22	-	19	-	42	-	39	-	15	-

Tabela artikla

OPIS	NVP (%)	Kat. broj
Kabl inst.Cat.7 S/FTP - 1000 Mhz, 4x2xAWG-23, LS0H-3, crni	79	HSKP4233S5
S/FTP instalacijski kabel cat.7, 4x2xAWG23/1, 1.000Mhz, LS0H-3, Dca-s1,d2,a1, 30%, crni, bubanj 500m		
Dodatni pribor		
S-JACK-RJ45 modul, Cat.6a 10Gb STP, 4PPoE 100W, (SFB) 24kom. 24 kom. u kutiji		HSEMRJ6GS2
S-JACK-RJ45 modul, Cat.6a 10Gb STP, 4PPoE 100W, (SFB)		HSEMRJ6GS1
TOOLLESS LINE-RJ45 Modul, Cat.6a 10Gbit, STP (SFB), Ed.2.2 (SFB)		HSEMRJ6GBA
TOOLLESS LINE-RJ45 Modul, Cat.6a 10Gbit, STP (SFA), Ed.2.2		HSEMRJ6GWA
TOOLLESS LINE-RJ45 Modul, Cat.6a 10Gbit, STP (SFA)		HSEMRJ6GWT
Nosač kablovskog bubnja pri odmotavanju, nosivost do 250kg		HTOOL00006
Kablovska čičak traka 16mm x 4m, back to back, plava		Q7KB0416-B
Kablovska čičak traka 16mm x 4m, back to back, crvena		Q7KB0416-R
Kablovska čičak traka 16mm x 4m, back to back, crna		Q7KB0416-S
Kablovska čičak traka 16mm x 4m, back to back, žuta		Q7KB0416-Y
Kablovska čičak traka 16mm x 4m, back to back, zelena		Q7KB0416-U