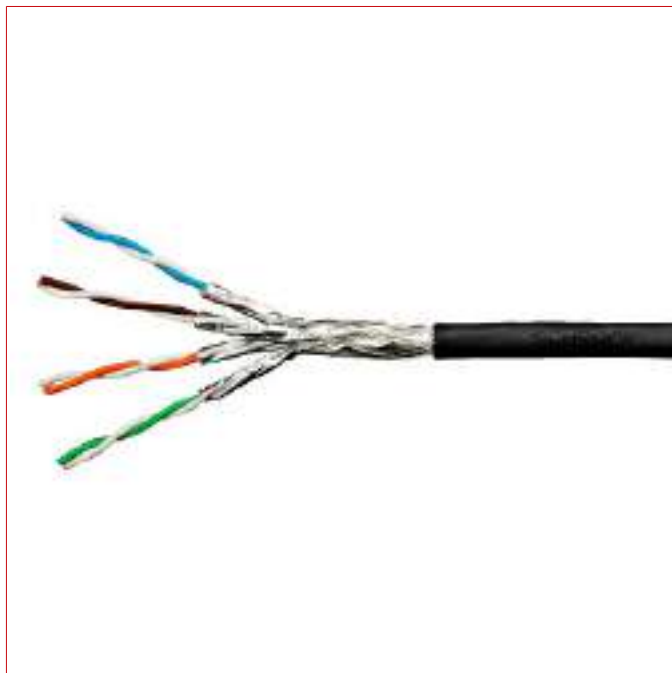


Date tehnice pentru produs: HSEKP4233S

Cablu S/FTP Cat.7, 4x2xAWG23/1, 1.000Mhz, LSOH-3, Dca, 30% ngr

negru



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.)



Fișe tehnice

Categorie	Cat.7
Ecranaj	S/FTP
Material conductor	Conductor de cupru solid AWG23/1 (0.58mm)
Cod de culori perechi	Perechea 1 Alb / Albastru Perechea 2 Alb / Portocaliu Perechea 3 Alb / Verde Perechea 4 Alb / Maro
Număr de perechi	4, toate răsucite împreună
Material izolație	Polietilenă spumată
Diametrul nominal peste izolație (mm)	1,5
Ecranaj	ecranat
Pereche-Folie	Poliester de aluminiu laminat, fața cu aluminiu spre exterior (PiMF)

Fișe tehnice - Continuare

Ecran general	Cupru solid stanat
Acoperire tresă (%)	30
Fir	Nylon
Manta	LSOH-3
Manta	LSOH-3, FRNC conform: IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Euroclasă conform EN50575	Dca
Producere de fum	s1
Picături	d2
Aciditate	a1
Culoare manta	black, RAL 9005
Sarcina de ardere (kJ/m)	600
Densitate fum - transmitanță (%)	nach IEC 61034-1/2
Diametru exterior (mm)	7,4
Greutatea nominală (kg/km)	57
Culoare	negru
Gama de temperatură - Funcționare (°C)	-20 la +60
Gama de temperatură - În instalare (°C)	+0 la +50
Raza de curbura - Static (Ø)	4
Raza de curbura - Dinamic (Ø)	8
Tensiunea maximă de tragere (N)	110
Tensiune nominală	72 VDC
Curentul continuu maxim pe conductor (25°C) (A)	1,5
Rezistență DC la 20° C (Ohm/100m)	≤9,5
Dezechilibru rezistență: în pereche / între perechi (%)	≤2 / ≤4
Rezistență izolație DC: Conductor-conductor și conductor-ecran (MΩ*km)	≥ 5000
Rezistență dielectric conductor - conductor (2sec) (kV DC)	2,5
Rezistență dielectric conductor - ecran (2sec) (kV DC)	2,5
Capacitanța mutuală (nF/km)	≤56
Dezechilibru capacitanță pereche la pământ (pF/km)	≤1600
PoE	Da
PoE+	Da
Ecran de amortizare de până la 1000 MHz (dB)	55
NVP (%)	79
IEEE Compliance	PoE: IEEE 802.3bt Type 1, Type 2, Type 3, Type 4
Serie	DE-EMBEDDED LINE

Tabel de date: Cablu S/FTP Cat.7, 4x2xAWG23/1, 1.000Mhz, LS0H-3, Dca, 30% ngr

Frecvență (MHz)	Atenuare (dB/100m)		NEXT (dB)		PS_NEXT (dB)		ACR (dB@100m)		PS_ACR (dB@100m)		EL_FEXT (dB@100m)		PS_ELFEXT (dB@100m)		RL (dB)	
	tip.	Cat 7 max.*	tip.	Cat 7 min.*	tip.	Cat 7 min.*	tip.	Cat 7 min.*	tip.	Cat 7 min.*	tip.	Cat 7 min.*	tip.	Cat 7 min.*	tip.	Cat 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	-

* Limitele sub 4 MHz și la 1000 MHz au caracter informativ.

Tabel articole

Descriere	NVP (%)	Greutate cupru (kg/km)	Cod comandă
Cablu S/FTP Cat.7, 4x2xAWG23/1, 1.000Mhz, LS0H-3,Dca,30% ngr negru	79	25,5	HSEKP4233S
Accesorii opționale			
Modul S-JACK RJ45 ecranat, Cat.6a 10GB (SFB), 4PPoE 100W 24 buc/cutie			HSEMRJ6GS2
Modul S-JACK RJ45 ecranat, Cat.6a 10GB (SFB), 4PPoE 100W 4PPoE 100W, SFB			HSEMRJ6GS1
Modul TOOLLESS LINE RJ45 ecranat, Cat.6a 10GB (SFB) 4PPoE			HSEMRJ6GBA
Modul RJ45 ecranat, Cat.6a, ISO/IEC 11801 AMD2 TOOLLESS LINE			HSEMRJ6GWA
Modul RJ45 ecranat, Cat.6 De-emb., Kl.Ea, 10GB, TOOLLESS LINE			HSEMRJ6GWT
Derulator tambur cablu lățime 52cm,maxim 250kg			HTOOL00006
Colier velcro albastru 16mmx4m			Q7KB0416-B
Colier velcro rosu 16mmx4m			Q7KB0416-R
Colier velcro negru 16mmx4m			Q7KB0416-S
Colier velcro galben 16mmx4m			Q7KB0416-Y
Colier velcro verde 16mmx4m			Q7KB0416-U