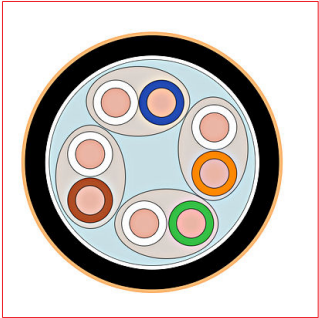


Data Sheet for Article: HSKP4233A5

S/FTP Cable Cat.6a, 4x2xAWG23/1, 500MHz, LS0H-3, Dca, black

Drum 500m



SCHRACK-Info

The S/FTP AWG23 cable is specified up to 500 MHz and provides transmission performance meeting Category 6A cable specifications EN 50288 and IEC 61156-2.



Technical Data

Net length (mm)	1.000,00
Net diameter (mm)	7,10
Net weight (kg)	0,05
Min. ambient temperature (°C)	-20
Max. ambient temperature (°C)	60
Bit rate	10Gbit
Category	Cat.6A
Cable shielding	S/FTP

Technical Data - continued

Conductor	4 individual shielded pairs
Conductor material	Solid bare copper AWG23/1
Color code pairs	Pair 1 White / Blue Pair 2 White / Orange Pair 3 White / Green Pair 4 White / Brown
Insulation material	Polyethylene (PE)
Shielding	shielded
Pair-Foil	Laminated aluminium polyester, Aluminium facing outside (PiMF)
Overall Shield	Solid tinned copper
Braid coverage (%)	30
Cable jacket	LS0H-3
Jacket	LS0H-3, FRNC according to: 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 acc. to EN50575	Dca
Smoke production	s2
Droplets	d2
Acidity	a1
Burning load (kJ/m)	500
Outside diameter (mm)	7,2
Weight nominal (kg/km)	49
Colour	Black
Temperature range - Operation (°C)	-20 to +60
Temperature range - Installation (°C)	+0 to +50
Bending radii cable - Operation (longterm) (Ø)	3
Bending radii cable - Installation (shortterm) (Ø)	8
Max. pulling tension (N)	113
Rated voltage	< 72V DC and < 50V AC
Insulation resistance (MΩ*km)	> 5000MΩ/km
Loop resistance (Ω/km)	165
Resistance difference (%)	1
Signal propagation time (ns/m)	4,2
Coupling Resistance (mΩ/m)	10mΩ/m @ 10MHz
Coupling damping typical (dB)	80
Frequencies tested to (MHz)	500
SKEW (ns/100m)	< 25
NVP (%)	79
Length/Put-ups	500m - drum

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.

Article Table

DESCRIPTION	NVP (%)	Order No.
S/FTP Cable Cat.6a, 4x2xAWG23/1, 500MHz, LS0H-3, Dca, black Drum 500m	79	HSKP4233A5
Optional Accessories		
S-JACK Module RJ45 shielded, Cat.6a 10GB, 24 pieces box 4PPoE 100W, SFB		HSEMRJ6GS2
S-JACK Module RJ45 shielded, Cat.6a 10GB, Single Pack 4PPoE 100W, SFB		HSEMRJ6GS1
TOOLLESS LINE Jack RJ45 shielded, Cat.6a 10GB 4PPoE 100W (SFB)		HSEMRJ6GBA
TOOLLESS LINE Jack RJ45 shielded, Cat.6a 10GB 4PPoE 100W (SFA)		HSEMRJ6GWA
Cable dispenser for 250kg Load for drums up to 52cm width		HTOOL00006
Back to back cable tie black 16mm x 4m		Q7KB0416-S
Back to back cable tie blue 16mm x 4m		Q7KB0416-B
Back to back cable tie red 16mm x 4m		Q7KB0416-R
Back to back cable tie yellow 16mm x 4m		Q7KB0416-Y
Back to back cable tie green 16mm x 4m		Q7KB0416-U