

SCS6A Cat.7 cable S/FTP 4 pairs AWG23/1, PE, Indoor/Outdoor (Dca + PE)

Category 7, S/FTP Screened, 4 pairs, Indoor/Outdoor.

DCC23SFTP4PHE, Rev.00, Date 2022-05-16

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Standards of reference and applications

TIA 568.2-D, ISO/IEC 11801, EN50173

Installation Features

Store at -0 to +70 °C

Install at -0 to +50 °C

Operate at : -20 to +60 °C

Bend minimum: 10 times O.D.

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Design

Conductor : solid bare copper AWG23 (0.55mm ± 0.005 mm)

Insulation : skin-foam-skin PE 1.35±0.02mm

Pair: 2 insulated conductors stranded together

Colour code : 1.White/blue 2.White/orange 3. White/green 4.White/brown

Assembling: no 4 pairs assembled together around a PE central cross

Wrapping: polyester tape

Screen: aluminium foil

Braiding: tinned copper, Coverage rate : ≥65%

Inner Jacket: LSZH, diameter 7.8±0.5mm, thickness ≥0.5mm

Outer jacket: LDPE, diameter 9.0±0.5mm, thickness ≥0.5mm

Marking : APS Finland – DCC6ASFTP4PHE – CAT.7 S/FTP 4 PR AWG 23/1 – LSZH-PE – Indoor/Outdoor Cable – Lot no –

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Environmental properties and Fire Performances

RoHS: 2011/65/EU
REACH: EC 1907/2006

Electrical characteristics

Resistance of the conductor @ 20°C : $\leq 95 \Omega/\text{km}$
Mutual Capacitance : 56 pF/m (cond/cond)
Capacitance unbalance : 330 pF/100m
Average characteristic impedance : $100\pm5 \Omega$ (100 MHz)
Insulation resistance: $\geq 5000 \text{ M}\Omega/\text{km}$
Dielectric strength: DC.1kV.1min no break

Frequency (MHz) :	4	8	10	16	31.25	62.5	100	200	250	300	500	600	1000
Return loss (dB)	23.0	24.5	25.0	25.0	23.6	21.5	20.1	18.0	17.3	17.3	17.3	17.3	15.1
Attenuation (dB/100m)	3.7	5.2	5.8	7.3	10.3	14.6	18.5	26.5	29.7	32.7	42.8	47.1	61.9
NEXT (dB)	78	78	78	78	78	78	75.4	70.9	69.4	68.2	64.9	63.7	60.4
PS NEXT (dB)	75	75	75	75	75	75	72.4	67.9	66.4	65.2	61.9	60.7	57.4
EL FEXT (dB/100m)	78	77.2	75.3	71.2	65.4	59.4	55.3	49.3	47.3	45.8	41.3	39.7	35.3
PS EL FEXT (dB/100m)	75	74.2	72.3	68.2	62.4	56.4	52.3	46.3	44.3	42.8	38.3	36.7	32.3

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Ordering and delivery information

Pair count	P/N	O.D [mm]	Weight [kg/km]	Retail Packaging	Wholesale Packaging	Electric Number	GTIN
4 pairs	DCC23SFTP4PHE	9.0±0.5	86.00	500 m (drum) 50x30x20 cm 45.0 kg	6 000 m (pallet) 100x100x106 cm 560.0 kg	02 331 17	6410002331172

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Recommended connectivity

	APS		Kerman		System warranty
Keystone jack (toolless)	GSCAT6AL-S	72 058 74	XG6S	72 094 35	included
Keystone jack (tool type)	-	-	XA	72 093 83	included
Patch panel	PPE24SU	72 265 11	RST24	72 474 22	included
Field connector	AKLRJ456AS	72 493 25	KRJ45U	72 093 79	not included

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Extended System Warranty

The APS System Warranty assures the compliance of the system performance to the applicable class of cabling for a period of 25 years. The warranty may be applied for by an accredited APS Partner who has designed and/or installed the entire system.