

SCS7 Cat.7 cable S/FTP 4 pairs AWG23/1, LSHF, UVR, Indoor & Outdoor (Dca)

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

DCC23SFTP4PHO, Rev.00, Date 2022-10-31



Standards of reference and applications

ISO/IEC11801, TIA568.2-D, EN50173, IEC61156-5, RoHS 2011/65/EU, REACH EC 1907/2006

Installation Features

Store at -10 to +50 °C

Install at -10 to +50 °C / **Bend minimum:** 10 times O.D.

Operate at : -40 to +60 °C / **Bend minimum:** 10 times O.D.

Design

Conductor : solid bare copper AWG23 (0.57mm ± 0.01 mm)

Insulation : skin-foam-skin PE 1.36 ± 0.02mm

Pair: 2 insulated conductors stranded together

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

Screen: aluminium foil (overlap rate ≥25%)

Assembling: no 4 screened pairs stranded together

Braiding: tinned copper (coverage rate ≥30%)

Protection 1: water blocking tape (overlap ≥25%)

Protection 2: water blocking yarn

Outer jacket: low smoke, halogen free, fire retardant material, UV resistant (average thickness 0.85mm)

Marking : APS Finland – DCC23SFTP4PHO – CAT.7 S/FTP 4 PR AWG 23/1 – LSHF CPR Dca – ISO/IEC11801 EN50173

IEC61156-5 – lot no – WW/YY – xxx m

Environmental properties and Fire Performances

Flame retardant: IEC 60332-3

CPR: Dca-s1a,d2,a1

RoHS: 2011/65/EU

REACH: EC 1907/2006

Electrical characteristics

Resistance of the conductor @ 20°C : ≤ 95 Ω/km

Mutual Capacitance : ≤ 5.6 nF/100m (cond/cond)

Average characteristic impedance : 100±5 Ω (100 MHz)

Insulation resistance: ≥5000 MΩ/km

Dielectric strength: DC.1kV.1min no breakdown

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 (FI)	GTIN
4 pairs	DCC23SFTP4PHO	8.8±0.5	73.00	500 m (drum) 50x50x30 cm 40.0 kg	6 000 m (pallet) 100x100x106 cm 500.0 kg	02 331 24	6410002331240

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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.

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