

SCS6AS Cat.6A cable U/FTP 4 pairs AWG23/1 PE Fca Outdoor

Category 6A, U/FTP Screened, 4 pairs, SCS6AS, CPR Fca, Outdoor.

DCC6AUFTP4PE, Rev.00, Date 2025-03-12



Standards of reference and applications

EIA/TIA 568-C.2, ISO/IEC 11801, EN 50288-10, IEC 61156-5, EN 50173-1

Gigabit Ethernet 10GBASE-T, Ethernet 10 BASE-T, Fast Ethernet 100 BASE-T, Fast Ethernet 100 BASE-TX, 155 Mbit ATM, 625

Mbit ATM, 1.2 Gbit ATM

IEEE 802.3bt (4PoE)

Installation Features

Store at -0 to +50 °C

Install at -0 to +40 °C, **bend minimum:** 10 times O.D.

Operate at: -30 to +60 °C, **bend minimum:** 10 times O.D.

Pull maximum: 40N

Design

Conductor : solid bare copper AWG23 (0.55mm ± 0.008 mm)

Insulation : polyethylene SFS 1.34 ± 0.02 mm

Pair : 2 insulated conductors stranded together

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

Individual screen : aluminium foil (overlap rate ≥25%) with CuTn drain wire 0.4 mm

Assembling : no 4 pairs individually screened stranded together

Outer jacket : black LDPE material

Marking : APS – DCC6AFTP4PE – CAT.6A U/FTP 4PR AWG 23/1 PE UVR – 500MHz 100Ohm – ISO/IEC11801 IEC61156-5 –
CPR Fca – Lot no – WW/YY – xxx

Environmental properties and Fire Performances

CPR Class: Fca

UV resistant : UL 1581

Electrical characteristics

Resistance of the conductor @ 20°C : $\leq 95 \Omega/\text{km}$

Insulation resistance: $\geq 5000 \text{ M}\Omega\cdot\text{km}$

Capacitance unbalance : $\leq 330 \text{ pF}/100\text{m}$

Average characteristic impedance : $100 \pm 5 \Omega$ (@ 100MHz)

Velocity of propagation (NVP) : 73%

Frequency (MHz) :	4	10	16	20	25	31.25	62.5	100	200	250	300	400	500
Return Loss	23.0	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.0	17.3	17.3	17.3	17.3
Attenuation (dB/100m)	3.8	5.9	7.5	8.4	9.4	10.5	15.0	19.1	27.6	31.1	34.3	40.1	45.3
NEXT (dB)	66.3	60.3	57.2	55.8	54.3	52.9	48.4	45.3	40.8	39.3	38.1	36.3	34.8
PS-NEXT (dB)	63.3	57.3	54.2	52.8	51.3	49.9	45.4	42.3	37.8	36.3	35.1	33.3	31.8
ELFEXT (dB)	56.0	48.0	43.9	42.0	40.0	38.1	32.1	28.0	22.0	20.0	18.5	16.0	14.0
PS-ELFEXT (dB)	53.0	45.0	40.9	39.0	37.0	35.1	29.1	25.0	19.0	17.0	15.5	13.0	11.0

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Ordering and delivery information

Pair count	P/N	O.D [mm]	Weight [kg/km]	Retail Packaging	Wholesale Packaging	Sähkönumero	EAN
4 pairs	DCC6AUFTP4PE	7.2 ± 0.5mm	43.0	500 m (drum) 40x40x40 cm 35.0 kg	6 000 m (pallet) 120x80x88 cm 302.0 kg	02 331 28	6430081400439

Recommended connectivity

Keystone jack : GSCAT6AS22D, GSCAT6AS22F, GSCAT6ASXLD

IP68 connectors : IP68C6AS, IP68C6ASFCTC, IP68KV6AWP

RJ45 plug : PGSPDY3