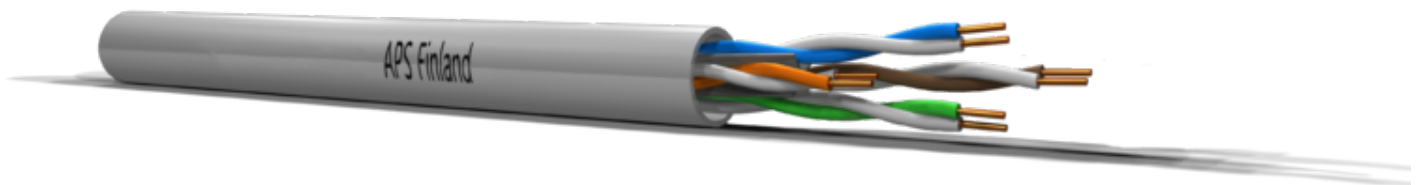


SCS6U Cat.6 cable U/UTP 4 pairs AWG23/1 LSZH Indoor, Dca

Category 6, Unscreened, 4 pairs, LSZH, Indoor.

W5UX042M0, Rev.02, Date 2020-08-21

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Description



Standards of reference and applications

Indoor LAN horizontal cabling (max 90m)

EIA/TIA 568-C.2, ISO/IEC 11801, EN50173-1 Luokka E, 250MHz 1GbE

Installation Features

Store at: -0 to +50 °C

Install at: -0 to +50 °C. **Bend minimum:** 60 mm.

Operate at: -20 to +60 °C. **Bend minimum:** 75 mm.

Pull maximum: 40N

Design

Conductor: solid bare copper AWG23 (0.55mm)

Insulation: polyethylene Ø 1.00 mm

Pair: 2 insulated conductors stranded together

Central cross: HDPE 4,5×0,5mm (nom.)

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

Outer jacket: grey LSZH material

Marking: APS Finland – P/N – CATEGORY 6 U/UTP 4 PR AWG 23/1 – LSZH Dca – 250MHz 100Ohm – ISO/IEC 11801 – lot no – xxx
m

Colour code

1. White/blue
2. White/orange
3. White/green
4. White/brown

Environmental properties and Fire Performances

CPR Class: Dca-s2-d2-a2

Declaration of Performance: W5UX042M0-002

Flame retardant: IEC 60332-1-2

Smoke Emission and Halogen Free: EN61034-2, EN60754-2

RoHS: 2011/65/EU

REACH: EC 1907/2006

Electrical characteristics

Conductor resistance: $\leq 95 \Omega/\text{km}$
Insulation resistance: $\geq 500 \text{ MOhm/km}$
Mutual Capacitance: $\leq 56 \text{ pF/m}$
Capacitance unbalance pair/pair: $\leq 330 \text{ pF/100m}$
Average characteristic impedance: $100 \pm 15 \Omega @ 100\text{-}250\text{MHz}$
Velocity of propagation (NVP): 69%
Voltage (max): 75V (DC)

Frequency (MHz) :	1	4	8	10	16	20	25	31.25	62,5	100	200	250
Return Loss	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.0	17.3
Attenuation (dB/100m)	2.2	4.0	5.5	6.2	7.8	8.7	9.7	10.9	15.6	20.0	29.2	33.0
NEXT (dB)	74.3	66.3	61.8	60.3	57.2	55.8	54.3	52.9	48.4	45.3	40.8	39.3
PS-NEXT (dB)	72.3	63.3	58.8	57.3	54.2	52.8	51.3	49.9	45.4	42.3	37.8	36.3
ELFEXT (dB/100m)	67.8	56.0	49.9	48.0	43.9	42.0	40.0	38.1	32.1	28.0	22.0	20.0
PS-ELFEXT (dB/100m)	64.8	53.0	46.9	45.0	40.9	39.0	37.0	35.1	29.1	25.0	19.0	17.0

Ordering and delivery information

Pair count	P/N	O.D. [mm]	Weight [kg/km]	Retail packaging	Wholesale packaging	STK Electrical No.	GTIN
4 pairs	W5UX042M0S10	6.0	36.8	100 m (box) 270x270x210 mm 5,0 kg	6 400 m (pallet) 112x112x98 cm 308 kg	02 331 20	6410002331202
4 pairs	W5UX042M0S30	6.0	36.8	305 m (box) 400x400x230 mm 12,8 kg	7 320 m (pallet) 120x120x114 cm 327 kg	02 103 00	6410002103007
4 pairs	W5UX042M0B50	6.0	36.8	500 m (drum) 350x160x350 mm	13 500 m (pallet) 120x80x110 cm 642 kg	02 078 01	6410002078015

Pair count	P/N	O.D. [mm]	Weight [kg/km]	Retail packaging	Wholesale packaging	STK Electrical No.	GTIN
				23,0 kg			
				12,8 kg			

Recommended connectivity

	APS		Kerman		System warranty
Keystone jack (tool type)	-	-	GT6	72 093 16	included
Keystone jack (toolless)	-	-	CM6	72 094 39	not included
Keystone jack (toolless)	GSCAT6AU	72 058 68	-	-	included
Patch panel	PPE24SU	72 265 11	KRM24H	72 094 07	included
Field connector RJ45 (toolless)	AKLRJ456U	72 493 26	KRJ45U-U	72 477 00	not included
Connection box (tool type)	AKJ6U	72 493 27	KRM6KJ	72 473 16	not included

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.
Read more.

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