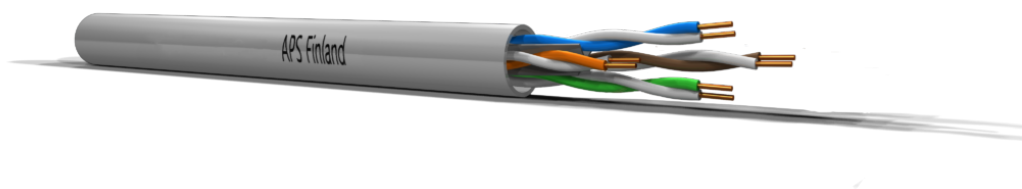


APS[®]

SCS6U LITE Cat.6 cable U/UTP 4 pairs AWG24/1 LSZH Indoor, Dca

Category 6, Unscreened, 4 pairs, LSZH, Indoor, PL 80M.

W5UX042LID, Rev.00, Date 2026-04-09



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 AWG24 (0.51mm)

Insulation: polyethylene Ø 0.89 ± 0.05 mm

Pair: 2 insulated conductors stranded together

Central cross: HDPE

Assembling: no 4 pairs assembled together around the central cross

Outer jacket: grey LSZH material

Marking: APS LITE CAT6 U/UTP 4PR 24AWG – ISO/IEC 11801 ANSI/TIA-568.2-D – EN 50575 CPR Dca-s2,d2,a1 – Lot xxxxx – xxx m

Colour code

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

Environmental properties and Fire Performances

CPR Class: Dca-s2,d2,a1

Declaration of Performance: W5UX042LID-001

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: $\geq 500 \text{ MOhm}/\text{km}$

Mutual Capacitance: $\leq 56 \text{ pF}/\text{m}$

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

Average characteristic impedance: $100 \pm 15 \Omega @ 100\text{-}250\text{MHz}$

Velocity of propagation (NVP): 69%

PoE: 90W 4PR IEEE 802.3bt (Type 4)

Frequency (MHz) :	1	4	8	10	16	20	25	31.25	62,5	100	200	250
Return Loss	19.1	21.0	21.0	21.0	20.0	19.5	19.0	18.5	16.0	14.0	11.0	10.0
Attenuation (dB/100m)	3.0	3.5	5.0	5.5	7.0	7.9	8.9	10.0	14.4	18.6	27.4	31.1
Delay (ns)	570.0	552.0	546.7	545.4	543.0	542.1	541.2	540.4	538.6	537.6	536.5	536.3
NEXT (dB)	65.0	64.2	59.4	57.8	54.6	53.1	51.5	50.0	45.1	41.8	36.9	35.3
PS-NEXT (dB)	62.0	61.8	57.0	55.5	52.2	50.7	49.1	47.5	42.7	39.3	34.3	32.7
ELFEXT (dB/100m)	64.2	52.1	46.1	44.2	40.1	38.2	36.2	34.3	28.3	24.2	18.2	16.2
PS-ELFEXT (dB/100m)	61.2	49.1	43.1	41.2	37.1	35.2	33.2	34.3	28.3	24.2	18.2	16.2

Ordering and delivery information

Pair count	P/N	O.D [mm]	Weight [kg/km]	Retail Packaging	Wholesale Packaging	Sähkönumero	EAN
4P	W5UX042LIDS30	5.5 ± 0.04	34.4	305 m (box) 39x39x22 cm 11.0 kg	9 150 m (pallet) 115x82x130 cm 346.0 kg	02 331 30	6430081401054

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