

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



Standards of reference and applications

EIA/TIA 568-C.5, ISO/IEC 11801, EN 50288-6-1

Ethernet 10 BASE-T, 100 BASE-T, 100 BASE-TX, 155 Mbit ATM, 625 Mbit ATM, 1.2 Gbit ATM

Installation Features

Store at -0 to +70 °C

Install at -0 to +50 °C

Operate at : -10 to +60 °C

Bend minimum : 10 times O.D.

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Pull maximum : 40N

Design

Conductor : solid bare copper AWG23 (0.55mm)

Insulation : polyethylene 0.98 ± 0.01 mm

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

Screen : N/A

Outer jacket : grey LSZH material

Marking : APS Finland - ww/yy - U/UTP 4x2x23AWG Category 6 LSZH - Extended Frequency 250MHz 100Ohm - ISO/IEC 11801 - /lot + meter

Environmental properties and Fire Performances

Degree of acidity of gases : IEC 60754-1, IEC 60754-2

Halogen acid gas : IEC 60754-1, IEC 60754-2

Smoke Emission : IEC 61034-2, EN 50268-2

Toxicity of evolved gas : EN 50305 9.2

Flame retardant : EN 60332-1-2

CPR Class (CE) : Class Dca

Electrical characteristics

Resistance of the conductor @ 20°C : ≤ 90 Ω/km

Mutual Capacitance : 52 pF/m (cond/cond)

Capacitance unbalance : 1500 pF/km (p/p @ 1KHz)

Average characteristic impedance : 100 ± 15 Ω @ 100MHz

Velocity of propagation (NVP) : 66%

Frequency (MHz) :	1	4	10	16	20	31,5	62,5	100	155	200	250
Attenuation (dB/100m)	2.0	3.8	6.0	7.6	8.5	10.8	15.5	19.9	24.70	29.1	33
NEXT (dB)	74.3	65.3	59.3	56.2	54.8	51.9	47.4	44.3	41.7	39.8	38.3
PS-NEXT (dB)	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	39.7	37.8	36.3
ELFEXT (dB)	67.8	55.8	47.8	45.9	41.8	42.0	42.0	27.8	24.3	21.8	20.4
PS-ELFEXT (dB)	64.8	52.8	44.8	43.0	38.8	35.0	29.1	25.0	21.3	19.0	17.0
Return Loss	20	23.0	25.0	25.0	25.0	21.5	21.5	20.1	18.9	18.0	17.3

Ordering and delivery information

Pair count	P/N	O.D [mm]	Weight [kg/km]	Packaging
4 pairs	W5UX042M0S30	6.5	36.8	305m / 1000ft box

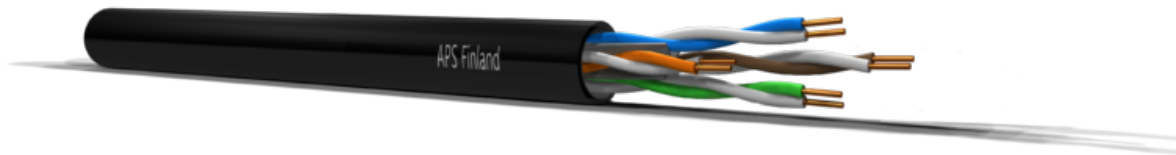
Recommended connectivity

Keystone jack : MJ6UK / MJ6UC

RJ45 plug : RJ45U6PL241 / RJ45U6BL241

Panel : PPE24SU

Patchcords : PCMJ6U_



SCS6U Cat.6 cable U/UTP 4 pairs AWG24/1 PE Outdoor



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Screen : N/A

Outer jacket : black PE material

Marking : APS Finland - ww/yy - U/UTP 4x2x23AWG Category 6 PE Outdoor - Extended Frequency 250MHz 100Ohm - ISO/IEC 11801 - /lot + meter

Environmental properties and Fire Performances

UV Resistant : UL 1581

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4 pairs	W5UX042E0B50	6,5	38	500m/1640ft drum

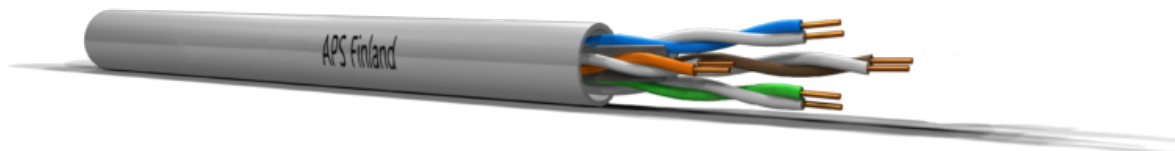
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