



SCS6U Cat.6 cable U/UTP 4 pairs AWG23/1 PE, Fca, Outdoor



Standards of reference and applications

Outdoor LAN horizontal cabling (max 90m)

10 BASE-T Ethernet, 100 BASE-T Fast Ethernet, 100 BASE-TX Fast Ethernet, 155 Mbit ATM, 625 Mbit ATM, 1.2 Gbit ATM
 EIA/TIA 568-C.2, ISO/IEC 11801, EN50173

Installation Features

Store at: -0 to +50 °C

Install at: -0 to +50 °C. **Bending radius:** $\geq 10 \times \text{diameter}$

Operate at: -40 to +70 °C.

Design

Conductor: solid bare copper AWG23 (0.57±0.005mm)

Insulation: polyethylene \varnothing 0.98±0.02mm

Rip cord: optional

Pair: 4 insulated conductors stranded together

Central cross: HDPE 4.5×0.5mm (nom.)

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

Filling: jelly compound

Outer jacket: PE O.D. 6.7±0.5mm (nom.)

Marking: APS – W5UX042JEB50 – CAT.6 U/UTP 4 PR AWG 23/1 – PE – Outdoor Cable – Lot no. – WW/YY – xxx m

Colour code

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

Environmental properties and Fire Performances

CPR Class: Fca

Flame retardant: IEC 60332-1-2

RoHS: 2011/65/EU

REACH: EC 1907/2006

Electrical characteristics

Conductor resistance: $\leq 95 \Omega/\text{km}$

Insulation resistance: $\geq 5000 \text{ MOhm}/\text{km}$

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

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

Average characteristic impedance: $100 \pm 15 \Omega @ 1\text{-}250\text{MHz}$

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

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Ordering and delivery information

Pair count	P/N	O.D. [mm]	Weight [kg/km]	Retail packaging	Wholesale packaging	STK Electrical No.	GTIN
4 pairs	W5UX042JEB50	6.7±0.5	50	500 m (drum) 40x35x20 cm 30 kg	9 000 m (pallet) 120x80x120 cm 570 kg	02 331 16	6410002331165

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Recommended connectivity

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

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