

BSD550UX

Crossover RJ45 CAT5E U/UTP cable



The BSD550UX is a basic series CAT5E U/UTP crossover networking cable, allowing direct connections between two devices. Typical applications are connections for pre-loading configuration to equipment (e.g. networking based AV equipment) before connecting it to the operational network.

Both ends are terminated by male RJ45 connectors with gold plated contacts. The conductor section consists of 4 pair stranded 26 AWG conductors guaranteeing an optimal signal transmission. The low-smoke & halogen free jacket materials allow safe usage in a professional environment and public buildings.

Supports 10Base-T, 100Base-TX and 1000Base-T gigabit networks.
Supports Dante, Cobranet, Ethersound, HdbaseT and other AV network protocols



Physical characteristics	
Type of cable	CAT5E U/UTP Networking cable
Inner conductor	BC 7 x 0.16 mm (OFC)
Inner conductor section	0.14 mm ²
Number of conductors	8 (4 pairs)
Insulation	HDPE Ø 0.92 mm
Insulation colour	Blue & Blue / White Orange & Orange / White Green & Green / White Brown & Brown / White
Twisting lay length	≤ 30mm
Shielding	None
Separator	None
Outer jacket	LSHF
Outer jacket colour	Black
Outer jacket dimensions	Ø 5.3 mm
American Wire Gauge	26 AWG
Connection type	RJ45 male to RJ45 male
Fitted connectors	RJ45 with gold plated contacts

Electrical characteristics	
Dielectricum Σr	HDPE
Max. conductor DC resistance	130 (Ω /Km)
Max. conductor DC resistance unbal.	5%
Nom. mutual capacitance	□ 5.6 (nF/100m)
Pair to ground capacitance unbalance	□ 330 (pF/100m)
Nom. Velocity of propagation	65 %
Max. Delay / Skew	45 (ns/100m)
Dielectric strength	1.5 (KV/1min. DC)
Nom. shield DC resistance	(Ω /Km)
Characteristic impedance	100 Ω +/-10 Ω
Voltage rating	72V

Standards & regulations	
RoHS2 compliant	According EU Directive 2011/65/EU
Reach compliant	According EC 1907/2006
Flammability test	According IEC 60332-1
Indoor / outdoor	Indoor
Circuit integrity	n/a
Smoke emissions	According IEC 61034
Zero halogen compounds	According EN 50267-2-1, IEC 60754
Cabling standard	ANSI TIA-EIA 568A - 568B

Mechanical characteristics		
Temperature range	fixed installation	-20° C till +75° C
	flexible installation	-15° C till +60° C
Bending radius	fixed installation	4 x cable Ø OD
	flexible installation	6 x cable Ø OD

Ordering & packaging	
BSD550UX/1.5	1.5 meter version

Cross section

