BSD550UX

Networking cross cable - CAT5E - U/UTP - RJ45 - LSHF

Highlights:

- Flexible PVC jacket
- 26 AWG stranded conductors
- LSHF jacket
- 5.3 mm (Ø) outer diameter
- Oxygen free copper

Product information:

The BSD550UX is a basic series CAT5E U/UTP networking cross cable, offering reliable interconnections between two network devices. Both ends are terminated by a red male RJ45 connector with gold plated contacts. The conductor section consists of 4 pairs stranded 26 AWG conductors guaranteeing an optimal signal transmission. The low-smoke & halogen free jacket material allows usage in installations in public and other demanding buildings. Supports 10Base-T, 100Base-TX and 1000Base-T gigabit networks. Supports Dante, Cobranet, Ethersound, HdbaseT and other AV network protocols

Properties:

Product Features:

Application	AV & IT
Series	Connect Series

Physical Characteristics:

Inner conductor	Insulation	Material	HDPE 0.92 mm (Ø)
		Colours	Green / White & Green ; Blue / White & Blue ; Orange / White & Orange ; Brown / White & Brown
Outer jacket	Colours		Black
	Material		LSHF 5.3 mm (Ø)
Type of cable			U/UTP CAT5E Networking cable
Inner conductor	Material		BC 7 x 0.16 mm (Ø) (OFC)
	Section		0.14 mm²
	American Wire Gauge		26 AWG
	Conductor twisting		Lay length ≤ 30 mm
Connection type			RJ45 male to RJ45 male

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 568B

Electrical Characteristics:

Max. conductor	DC resistance	130 (Ω / Km)
	DC resistance unbalanced	5 %
Dielectric strength		1.5 (KV / 1 min. DC)
Max. Delay / Skew		45 (ns / 100 m)
Rated voltage		72 V
Nom. Velocity of propagation		65 %
Characteristic impedance		100 Ω ± 10 Ω
Nom. mutual capacitance		≤ 5.6 (nF / 100 m)
Pair to ground capacitance unbalance		≤ 330 (nF / 100 m)

Mechanical Characteristics:

Temperature range	Fixed installation	- 20 °C till + 75 °C
	Mobile installation	- 15 °C till + 60 °C
Bending radius	Fixed installation	4 x outer diameter
	Mobile installation	6 x outer diameter

Variants:

- BSD550UX/1.5 - 1.5 meter