

4 Pair 23AWG Category 6 Double Sheath Copper Cable

Cat 6 UTP Data Cable Consists of 23AWG Solid Annealed Bare Copper Conductors, Primary HDPE Insulation, PE Cross Separator, LSZH inner jacket and FR PVC outer jacket. The rugged construction of this cable is ideal for outdoor installations. The cable supports for 10Gigabyte Ethernet Applications and compatible with all known connection systems, Ideal for high performance workstation applications including voice/data systems, Digital video, Broadband and voice over internet protocol etc.

Features

- Complies to the requirements of TIA/EIA 568 C.2 and ISO/IEC 11801 for category 6/Class E
- Flame retardant to IEC 60332-1
- Enhanced performance Specification up to 250 MHZ

Technical Specification

Parameter	Values	
Conductors	AWG	23
	Diameter mm	0.55 ± 0.2mm
	Material	Solid Bare Copper
Insulation	Material	High Density Polyethylene
	Diameter	1.02± 0.03mm
Pairs	Two Insulated conductors Twisted together to form pair	
Inner Sheath	LSZH	
Outer Sheath	FR PVC	
Cable Diameter	8.60 ± 0.30 mm	
Conductor Resistance	Max. 9.38 Ω/100m	
Conductor Resistance Unbalance	Max. 4 %	
Mutual Capacitance	Max. 5.6 nF/100m	
Bending radius	< 8 x Cable Diameter	
Breaking strength	400 N (max.)	
Capacitance Earth Unbalance	Max. 330 pF/100m	
Propagation Delay @ 1, 10, 100 & 250 MHz	Max. 570, 545, 538 & 536 ns/100 m	
Propagation Delay Skew 1 – 250 MHz	Max. 45 ns/100 m	
Temperature Range	-20°C up to +70°C	

Ordering Information

Part Code	Description
3C-C6DS23BK-3	4 Pair 23AWG Category6 Double Sheath Copper Cable inner LSZH & Outer FR PVC

