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GN-C60328WIT

Cat6 Solid Bare Copper UTP 23AWG Cable



Standards Conformance

Category 6 UTP copper cable meets TIA/EIA-568-B standards by ETL, and ISO/IEC 11801-B2 standards Class E.

Specifications

Pulling force:	50	N/mm2 max.
Short term bend radius:	8xOD mm	
Long term bend radius:	4xOD mm	
DC resistance:	80 Ohm/km max.	
Capacitance:	56 max. pF/m @ 1kHz.	
Voltage rating:	75 Vdc max	

Features

The conductor sizes are set at 23 AWG copper, Frequency range 1-250 MHz. The copper conductors are twisted in pairs, separated by a cross divider and covered by Flame Retardant PVC jacket.



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Technical information

Electrical performance		
Electrical performance	Certified performance in a 4-connector configuration up to 100 meters, meets TIA/EIA-568-B Category 6 and ISO/IEC 11801-B2 standards Class E channel requirements	
Conductors	23 AWG solid bare copper, 0.57mm	
Flame rating	LSZH-1: IEC 60332-1, 60754-1, 60754-2, 61034-2, EN50575: Euroclass Dca – s2, d2, a1 LSZH-3: IEC 60332-3, 60754-1, 60754-2, 61034-2 EN50575: Euroclass Dca-s1a, d2, a1 CM: UL 1685, EN 50575: Euroclass Eca CMR: UL 1666	
POE compliance	Meets IEEE 802.3af and IEEE 802.3at for PoE applications	
Installation tension	110N (25 lbf.) maximum	
Temperature rating	0° to 50°C (32° to 122°F) during installation -20° to 60°C (14° to 140°F) during operation	
Cable jacket	Flame retardant PVC	
Cable diameter	5.6mm (0.222 in.) nominal	
Cable weight	CM – 4 kg/100m (9 lbs./328 ft.)	
Packaging	100m (328 ft.) easy-pay-out box PVC (CM) – 5 kg/100m (11 lbs./328 ft.) Packaged tested to ISTA procedure 1A	
Key features and be	nefits	
Third party tested	Cable has been tested as part of the NetKey [®] Category 6 UTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of the following standard: ANSI/TIA-568-C.2 Category 6 standard	
Descending length cable markings	Easy identification of remaining cable reduces installation time and cable scrap	
Cross divider	Separates twisted pairs for robust cable performance	
Easy payout box	Ensures proper performance and provides quick installation	



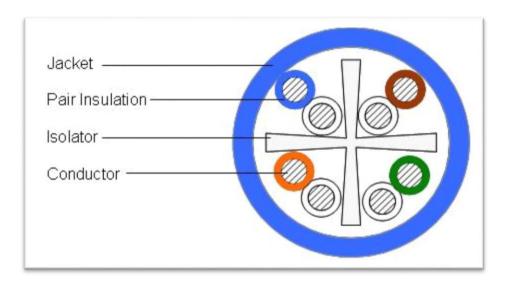
Applications		
Applications include: • Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), and 1000BASE-T (Gigabit Ethernet) • 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM • Token ring 4/16		
Additional Specifications - Mechanical Test		
Ultimate Breaking Strength	>400 N (90 lbf.)	
Minimum Bend Radius	4 x cable diameter	
Additional Specifications - Electrical Test		
Nominal Velocity of Propagation (NVP)	65%	

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Cable Construction





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