

Network Cable

Description

Network Cable Cat6 U/UTP 24AWG, PVC Jacket.



Overview

VisionNet Category 6 UTP cables exceed Category 6 / Class E specification. It is tested to 250 MHz frequency range and designed to support Gigabit 1000Base-T and 1000Base-Tx applications up to 100m. Extremely high pair-balance providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation, maximizing noise immunity and providing high alien cross talk performance to UTP (Unshielded Twisted Pair) cabling system

Features

- ✓ Conform to IEC, EIA-TIA performance requirements
- ✓ 24AWG premium grade copper conductor
- ✓ (UTP) Unshielded twisted pair cable structure
- ✓ Cable jacket available in PVC

Applications

- ✓ Supports category 6 networks running up to 250MHz applications.
- ✓ Ideal for internal network uses.

Specifications

Parameters	Value
Electrical Performance	Certified performance in a 4-connector configuration up to 100 meters
Conductor/Insulator	24 AWG solid copper insulated with HPDE
Operating Temperature	-20°C ~ +75°C
Compliance	ISO/IEC11801, TIA568B
RoHS Compliance	Compliant

Cable Specification (Construction)

Parameters	Value
Cable Jacket Type	PVC
Cable OD	5.8mm±0.4mm
Pair Color Codes	Compliant
Sheath Color	Pair 1: White, and Blue Pair 2: White, and Orange Pair 3: White, and Green Pair4: White, and Brown
Conductor	24AWG solid copper

Electrical Characteristics

FREQUENCY (MHZ)	RL ≥DB	ATT ≤DB/100M	NEXT ≥DB	DELAY ≤NS/100M	PSNEXT ≥DB	ELFEXT ≥DB/100M	PSELFEXT ≥DB/100M
1	20.0	2.03	74.3	570	72.3	67.8	64.8
4	23.0	3.78	65.3	552.0	63.3	55.8	52.8
8	24.5	5.32	60.8	546.7	58.8	49.7	46.7
10	25.0	5.95	59.3	545.4	57.3	47.8	44.8
16	25.0	7.55	56.2	543.0	54.2	43.7	40.7
25	24.3	9.51	53.3	541.2	41.3	39.8	36.8
31.25	23.6	10.67	51.9	540.4	49.9	37.9	34.9
62.5	21.5	15.38	47.7	539.0	45.4	31.9	28.9
100	20.1	19.8	44.3	538.0	42.3	27.8	24.8
200	18.0	29.0	39.8	537.0	37.8	21.8	18.8
250	17.3	32.9	38.3	536.0	36.3	19.8	16.8

Models

Code

DS-1LN6-UE-W-UL-Z

Description

Network Cable Cat6 U/UTP 24AWG, PVC Grey Jacket,305m Drum