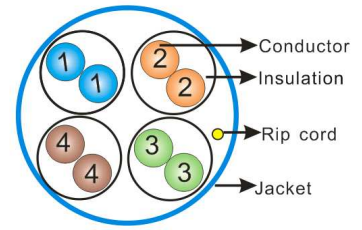




24 AWG 4 Pair Cat 5E
350 MHz CMP
Part No. 1008



Physical Characteristics

- **Conductor:** 24 AWG Solid Bare Annealed Copper
- **Insulation:** FEP (Superior Fluoropolymer)
- **Conductor Color Code:**
Pair 1: Blue - White/Blue, **Pair 2:** Orange - White/Orange
Pair 3: Green - White/Green, **Pair 4:** Brown - White/Brown
- **Rip Cord:** Applied longitudinally under jacket
- **Jacket:** Plenum PVC (Low-Smoke, Flame-Retardant & RoHS Compliant)
- **Nominal Cable Diameter (in) :** 0.200
- **Nominal Cable Net Weight (lbs/1000ft) :** 22
- **Minimum Bend Radius (in) :** 1.0
- **Maximum Pulling Force (lbs):** 25
- **Temperature Rating (°F):**
Installation: +32 to + 140 **Storage & Operation:** -4 to + 167

Applications

- IEEE 802.3: 1000 BASE-T Gigabit Ethernet, 100 BASE-TX, 10 BASE-T, 155 Mb/s and 622 Mb/s ATM, ANSI X3.263: 100 Mb/s, Broadband and Baseband Analog Video and transport of High Definition 1920x1080p and Ultra High Definition 4K/2k signals when used in conjunction with a HDMI or HD BASE-T extender between a source and a display.

Features & Benefits

- Cable is flexible and easy to install
- For applications that require Optimum Cat5e Performance with flexibility for the future
- Third-party verified for guaranteed performance and RoHS compliant
- Free from restricted metals and hazardous compounds. Check our green leaf label for more information

Electrical Characteristics

Max Capacitance (nF/100m @ 1 kHz)	Max DC Resistance (Ω/100m @ 68 °F)	Max Delay Skew (ns/100m)	Nom Velocity of Propagation (%)	Characteristic Impedance (Ω @ 1- 100 MHz)
5.6	9.38	45	70	100±15

Freq (MHz)	Max Insertion Loss (dB/100m)	Min NEXT Loss (dB)	Min PSNEXT Loss (dB)	Min ACR (dB/100m)	Min PSACR (db/100m)	Min ACRF (dB/100m)	Min PSACRF (dB/100m)	Min Return Loss (dB)
1	2.0	65.3	62.3	63.3	60.3	63.8	60.8	20
10	6.5	50.3	47.3	44.3	41.3	43.8	40.8	25.0
16	8.2	47.2	44.2	39.7	36.7	39.7	36.7	25.0
20	9.3	45.8	42.8	37.4	34.4	37.8	34.8	25.0
31.25	11.7	42.9	39.9	32.6	29.6	33.9	30.9	23.6
62.5	17.0	38.4	35.4	24.2	21.2	27.9	24.9	21.5
100	22.0	35.3	32.3	18.0	15.0	23.8	20.8	20.1
200	32.4	30.8	27.8	7.6	4.6	17.8	14.8	18.0
350	44.9	27.1	24.1	-	-	12.9	9.9	16.3

* Spec meets ANSI/TIA/EIA 568 C.2 standard. Frequencies beyond the TIA requirements are for information only. All values are dB/ 100 m (328ft)

Standard Compliances

- ANSI/ TIA /EIA 568-C.2
- ANSI/TIA 862 (Building Automation)
- ISO/ IEC 11801 Ed. 2.0 (Class D)
- ICEA S-90-661 (Category 5e)
- NEC/ CEC Type CMP (NFPA 262) for Plenum
- UL 444
- RoHS Compliant Directive 2011/65/EU

Certifications



Certificates for Management System

- ISO9001: 2008, ISO14001: 2004, OHSAS 18001