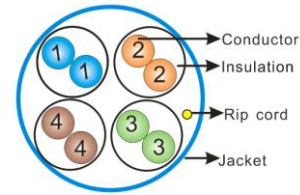




**24 AWG 4 Pair Cat 5E
350 MHz CMR
Part No. 1007**



Physical Characteristics

- **Conductor:** 24 AWG Solid Bare Annealed Copper
- **Insulation:** Superior Polyolefin
- **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:** PVC (Flame-Retardant, SUN RES & RoHS compliant)
- **Nominal Cable Diameter (in) :** 0.200
- **Nominal Cable Net Weight (lbs/1000ft) :** 20
- **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, 622 Mb/s ATM, ANSI X3.263: 100 Mb/s, 4/16 Mb/s Token Ring, Broadband and Baseband Analog Video

Features & Benefits

- Install Friendly
- 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
- Combines indoor/outdoor applications into one product with the added feature of 720 hours sunlight resistance. (Do not use as a substitute for OSP Cables)

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	570	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)

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Please Note: In the interest of product improvement, SCT may make improvements or changes in the products, in the programs or services described at any time without notice. Additionally, the information contained herein may include typographical errors or technical inaccuracies.

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 CMR (UL 1666) for Riser
- UL 444
- RoHS Compliant Directive 2011/65/EU

Certifications



Certificates for Management System

- **ISO9001: 2008, ISO14001: 2004, OHSAS 18001**