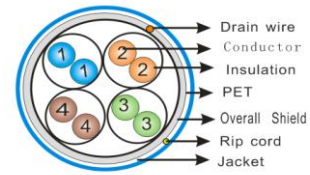




**24 AWG 4 Pair Cat 5E F/UTP
350 MHz CMR
Part No. 1017**



Physical Characteristics

- **Conductor:** 24 AWG Solid Bare Annealed Copper
- **Insulation:** Superior Polyolefin
- **Conductor Color Code:**
Par 1: Blue - White/Blue, **Pair 2:** Orange - White/Orange
Pair 3: Green - White/Green, **Pair 4:** Brown - White/Brown
- **Overall Shield:** Aluminum/Polyester coverage 100%
- **Drain Wire:** 24 AWG Stranded Tinned Copper (Aluminum Side Contact Drain Wire)
- **Rip Cord:** Applied longitudinally under jacket
- **Jacket:** PVC (Flame-Retardant, SUN RES & RoHS compliant)
- **Nominal Cable Diameter (in) :** 0.236
- **Nominal Cable Net Weight (lbs/1000ft) :** 27.5
- **Minimum Bend Radius (in) :** 3.5
- **Maximum Pulling Force (lbs):** 40
- **Temperature Rating (°F):** Installation: +32 to + 140 **Storage & Operation:** -4 to + 167

Standard Compliances

- ANSI/TIA 568-C.2
- NEC/ CEC Type CMR (UL 1666) for Riser
- UL 444
- RoHS Compliant Directive 2011/65/EU

Certifications



Applications

- IEEE 802.3: 10G BASE-T, 100 BASE-T, IEEE 802.3af for PoE, 100 BASE-TX, 10 BASE-T, 1000 BASE-TX, 155 Mb/s ATM

Certificates for Management System

- ISO9001: 2008, ISO14001: 2004, OHSAS 18001

Features & Benefits

- Install Friendly
- Foil Shield reduces electromagnetic interference (EMI) for optimum performance
- Extensive design development conducted to optimize the product performance and consistent manufacturability
- For applications that require Optimum Cat5e Performance with flexibility for the future
- 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 568 C.2 standard. Frequencies beyond the TIA requirements are for information only. All values are dB/ 100 m (328ft)

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.