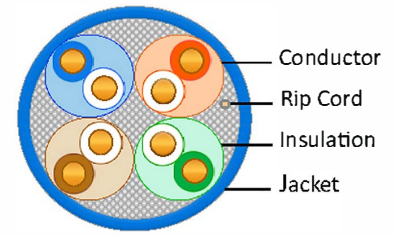
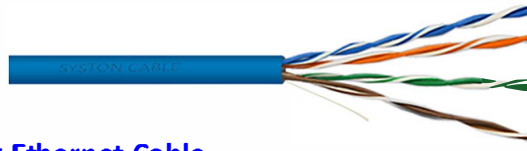


Specifications & Technical Data



Part Number: **1007**



SySPEED® Premium Cat 5e Network Ethernet Cable
Unshielded Twisted Pair (UTP) 4 Pair 24 AWG
Riser Rated - CMR, FT4, Sunlight Resistant

Characteristics

- | | | |
|--|---|---|
| * Conductor: 24 AWG Solid Bare Annealed Copper | * Nominal Cable Diameter (in): 0.200 | Conductor Color Code
Pair 1: Blue - White/Blue
Pair 2: Orange - White/Orange
Pair 3: Green - White/Green
Pair 4: Brown - White/Brown |
| * Insulation: Premium Polyolefin | * Temperature Rating (°F):
Installation: +32 to +140
Storage & Operation: -4 to +167 | |
| * Rip Cord: Applied Longitudinally Under Jacket | * Operating Voltage: 300V Max | |
| * Jacket: Premium PVC (Flame-Retardant, Sun Resistant & RoHS Compliant) | | |

Features & Benefits

- * Cable is flexible and easy to install
- * Cable coiled with REELEX® Technology to ensure tangle-free pull
- * For applications that require Optimum Cat 5e Performance with flexibility for the future
- * Third-party verified for guaranteed performance and RoHS compliance
- * Free from restricted metals and hazardous compounds. Check our green leaf label for more information
- * Combines indoor/outdoor applications into one product. Complies with UL 1581 sunlight resistance requirement for outdoor installations *(Do not use as a substitute for Underground Direct Burial Cables)*

[Click "All-in-One" logo to see more info](#)



Applications

Premise Horizontal Cable, Gigabit Ethernet, 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 Baseband Analog Video and transport of High Definition 1920 X 1080p Ultra-High Definition 4K/2k signals when used in conjunction with an HDMI or HD BASE-T extender between a source and display, RS-422 IEEE 802.3af (PoE) / IEEE 802.3at (PoE+)

Standard Compliances

- | | |
|--|------------|
| * ANSI/TIA 568-D.2 | * UL 444 |
| * ANSI/TIA 862 (Building Automation) | * ASTM B-3 |
| * ISO/IEC 11801 Ed. 2.0 (Class D) | |
| * ICEA S-90-661 (Category 5e) | |
| * NEC / CEC Type CMR (UL 1666) for Riser | |
| * RoHS 3 (EU 2015/863) | |

Certifications



ISO 9001: 2015, ISO 14001: 2015, OHSAS 18001

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	69	100±15
Frequency (MHz)	Insertion Loss Maximum (dB/100m)	NEXT Minimum (dB/100m)	PSNEXT Minimum (dB/100m)	Return Loss Minimum (dB/100m)
1	2.0	65.3	62.3	20.0
4	4.1	56.3	53.3	23.0
8	5.8	51.8	48.8	24.5
10	6.5	50.3	47.3	25.0
16	8.2	47.2	44.2	25.0
20	9.3	45.8	42.8	25.0
25	10.4	44.3	41.3	24.3
31.25	11.7	42.9	39.9	23.6
62.5	17.0	38.4	35.4	21.5
100	22.0	35.3	32.3	20.1
155	28.1	32.4	29.4	18.8
200	32.4	30.8	27.8	18.0
250	36.9	29.3	26.3	17.3
300	41.0	28.1	25.1	16.8
350	44.9	27.1	24.1	16.3

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