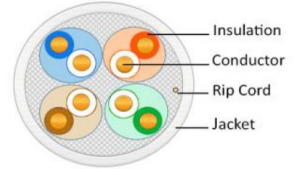




SPECIFICATIONS & TECHNICAL DATA

PART NUMBER: 1008

**SySPEED® Premium Network EtherNet/IP Cable
Cat 5e Unshielded Twisted Pair (UTP) 4 Pair 24 AWG
Plenum Rated - CMP, FT6**



CHARACTERISTICS

- ▶ **Conductor:** 24 AWG Solid Bare Annealed Copper
- ▶ **Insulation:** FEP (Premium Fluoropolymer)
- ▶ **Rip Cord:** Applied Longitudinally Under Jacket
- ▶ **Jacket:** Plenum PVC (*Low Smoke, Flame Retardant, & RoHS Compliant*)

- ▶ **Nominal Cable Diameter (in):** 0.200
- ▶ **Temperature Rating (°F):**
Installation: +32 to +140
Storage & Operation: -4 to +167
- ▶ **Operating Voltage:** 300V Max

Conductor Color Code

- Pair 1:** Blue - White/Blue
- Pair 2:** Orange - White/Orange
- Pair 3:** Green - White/Green
- Pair 4:** Brown - White/Brown

FEATURES & BENEFITS

- ▶ Cable is flexible and easy to install
- ▶ RhinoPac® packaging prevents cable tangling, crushing, and water damage
- ▶ 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



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 568.2-D
- ▶ ANSI/TIA 862 (Building Automation)
- ▶ ISO/IEC 11801 Ed. 2.0 (Class D)
- ▶ ICEAS-90-661 (Category 5e)
- ▶ NEC / CEC Type CMP (NFPA 262) for Plenum
- ▶ RoHS 3 (EU 2015/863)
- ▶ UL 444

CERTIFICATIONS



UL and/or ETL certified, or tested by other agencies
ISO 9001: 2015, ISO 14001: 2015, OHSAS 18001

ELECTRICAL PERFORMANCE

Max Capacitance (nF/100m @ 1kHz)	Max DC Resistance (Ω /100m @ 68°F)	Max Delay Skew (ns/100m)	Nom Velocity of Propagation (%)	Characteristic Impedance (Ω @ 1-100MHZ)
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

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