

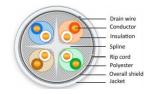
## **SPECIFICATIONS & TECHNICAL DATA**

#### PART NUMBER: 1269

SySPEED® Premium Network EtherNet/IP Cable
Cat 6E Foil Shielded Twisted Pair (F/UTP) 4 Pair 23 AWG
Plenum Rated - CMP, FT6



Nominal Cable Diameter (in): 0.275



#### **CHARACTERISTICS**

- ▶ Conductor: 23 AWG Solid Bare Annealed Copper
- Insulation: FEP (Premium Fluoropolymer)
- ▶ **Spline:** Premium Polyolefin
- Overall Shield: Aluminum/Polyester 100% Coverage (Aluminum Side Contact Drain Wire)
- Drain Wire: Tinned Copper
- ▶ Rip Cord: Applied Longitudinally Under Jacket
- Jacket: Plenum PVC (Low Smoke, Flame-Retardant, & RoHS Compliant)

Installation: +32 to +140 Storage & Operation: -4 to +167 Operating Voltage: 300V Max

▶ Temperature Rating (°F):

#### 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

RoHS 3 (EU

2015/863)

> UL 444



Click "All-in-One" 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 568.2-D
- ▶ ANSI/TIA 862 (Building Automation)
- ▶ ISO/IEC 11801 Ed. 2.0 (Class E)
- ▶ ICEA 5-102-700 (Category 6)
- ▶ NEC / CEC Type CMP (NFPA 262) for Plenum

# (UL)<sub>US</sub>







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

**CERTIFICATIONS** 

#### **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) 9.38 45 100±15 5.6 69 PSNEXT (Minimum dB/100m) Frequency (MHz) Insertion Loss (Maximum dB/100m) NEXT (Minimum dB/100m) Return Loss (Minimum dB/100m) 74.3 2.0 72.3 20.0 4 3.8 65.3 63 3 23.0 8 60.8 58.8 24.5 10 6.0 59.3 57.3 25.0 16 7.6 56.2 54.2 25.0 20 8.5 25.0 25 95 53.3 51.3 24.3 31.25 10.7 51.9 49.9 23.6 62.5 15.4 47.4 45.4 21.5 100 19.8 44.3 42.3 20.1 155 25.2 41.4 39.4 18.8 200 29.0 39.8 37.8 18.0 250 32.8 38.3 36.3 17.3 300 36.4 37 1 35 1 16.8 350 39.8 36.1 34.1 16.3 15.9 400 43.0 35.3 33.3 500 48 9 33.8 31.8 15 2 550 51.8 33.2 31.2 14.9 600 14.7 54.5 32.6 30.6

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