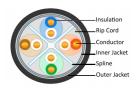


# **SPECIFICATIONS & TECHNICAL DATA**

### PART NUMBER: 1796

SySPEED® Premium Network EtherNet/IP Cable
Cat 6A+ Unshielded Twisted Pair (UTP) 4 Pair 23 AWG
Outside Plant (OSP) - Rated Cable
Direct Burial, Sunlight Resistant





# **CHARACTERISTICS**

▶ Conductor: 23 AWG Solid Bare Annealed Copper

▶ Insulation: Premium Polyolefin

▶ Spline: Premium Polyolefin

▶ Rip Cord: Applied Longitudinally Under Jacket

Inner Jacket: Premium PVC

▶ Outer Jacket: LLDPE (Sun Resistant, Abrasion Resistant

& RoHS Compliant)

Nominal Cable Diameter (in): 0.295

► Temperature Rating (°F):

Installation: -4 to +140

Storage & Operation: -40 to +140

Operating Voltage: 300V Max

▶ Recommended Connectors: 106220 from Platimum Tools

# **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 durable and easy to install, tried and proven materials are carefully chosen for long-term use
- Outdoor Direct Burial, Outside Plant suitable for wet location
- ▶ For applications that require Optimum Cat 6E Performance and EMI protection
- Protect against environmental elements that can cause electrical performance failure
- ▶ Third-party verified for guaranteed performance and RoHS compliance
- ▶ RhinoPac® packaging prevents cable tangling, crushing, and water damage
- Free from restricted metals and hazardous compounds. Check our green leaf label for more information



Click "All-in-One" to see more info

#### **APPLICATIONS**

Premise Horizontal Cable, Wireless, WIFI, 10 Gigabit Ethernet, IEEE 802.3:1000 BASE-T Gigabit Ethernet, 100 BASE-TX, 10 BASE-TX, 155Mb/s and 622Mb/s ATM, ANSI X3.263: 100Mb/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 HDBASE-T extender between a source and display, AES51, RS-422, IEEE802.af(PoE), IEEE802.3bt(PoE+), IEEE802.3bt(POE++)

#### STANDARD COMPLIANCES

- ▶ ANSI/TIA 568.2-D
- ▶ ISO 11801 (Category 6A)
- NEMA WC63.1 (Category 6A)

▶ RoHS 3 (EU 2015/863)









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) 45 100±15 9.38 Return Loss (Minimum Insertion Loss (Maximum Frequency (MHz) NEXT (Minimum dB/100m) PSNEXT (Minimum dB/100m) PSANEXT (Minimum dB/100m) PSAACFR (Minimum dB/100m) dB/100m) dB/100m) 2 1 74 3 72 3 20.0 67.0 67.0 3.8 65.3 63.3 23.0 67.0 66.2 8 60.8 58.8 67.0 60.1 24.5 10 5 9 593 573 25.0 67.0 58.2 16 7.5 56.2 54.2 25.0 67.0 54.1 52.8 67.0 52.2 25 31.25 9.4 53.3 51.3 24.3 67.0 50.2 23.6 10.5 47.4 45.4 65.6 42.3 100 19.1 44.3 42.3 20.1 62.5 38.2 155 24.1 39.4 18.8 59.6 200 39.8 37.8 18.0 58.0 32.2 250 31.1 38.3 36.3 17.3 56.5 30.2 300 34.3 37.1 35.1 16.8 55.3 28.7 350 37.2 36.1 34.1 16.3 54.3 27.3 400 40.1 35.3 33.3 15.9 53.5 26.2 33.8 500 31.8 550 47.7 33.2 31.2 14.9 51.4 23.4

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