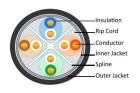


SPECIFICATIONS & TECHNICAL DATA

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, Water Blocking Gel-filled, Sun Res





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

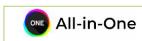
Pair 2: Orange - White/Orange

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)

CERTIFICATIONS









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

ELECTRICAL PERFORMANCE Max DC Resistance (Ω /100m @ 68°F) Max Delay Skew (ns/100m) Characteristic Impedance (Ω @ 1-100MHZ) Max Capacitance (nF/100m @ 1kHz) Nom Velocity of Propagation (%) 45 100±15 Insertion Loss (Maximum Return Loss (Minimum Frequency (MHz) NEXT (Minimum dB/100m) PSNEXT (Minimum dB/100m) PSANEXT (Minimum dB/100m) PSAACFR (Minimum dB/100m) dB/100m) dB/100m) 74 3 72 3 20.0 67.0 67 O 65.3 23.0 63.3 67.0 66.2 60.8 24.5 67.0 60.1 10 5.9 59.3 25.0 67.0 58.2 56.2 54.1 20 2 4 54.8 52.8 25.0 67.0 52.2 9.4 53.3 51.3 24.3 67.0 50.2 62 5 15.0 <u>47 4</u> 45.4 21.5 65.6 42.3 100 19.1 44.3 42.3 20.1 62.5 38.2 200 27.6 39 S 37 R 18.0 58.0 32.2 17.3 56.5 31.1 38.3 36.3 30.2 37.1 35.1 16.8 55.3 28.7 350 37.2 36.1 34.1 16.3 54.3 27.3 35.3 33.3 15.9 53.5 26.2 40.1 33.8 15.2 24.2 550 47.7 33.2 31.2 14.9 23.4

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