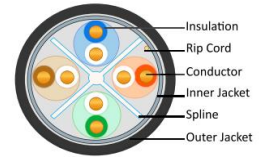


PART NUMBER: 1796

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

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> ▶ 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 (<i>Sun Resistant, Abrasion Resistant</i>) ▶ <i>& RoHS Compliant</i> | <ul style="list-style-type: none"> ▶ 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 Platinum Tools | <p>Conductor Color Code</p> <p>Pair 1: Blue - White/Blue</p> <p>Pair 2: Orange - White/Orange</p> <p>Pair 3: Green - White/Green</p> <p>Pair 4: Brown - White/Brown</p> |
|---|---|--|

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



ONE All-in-One

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-T, 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 | ▶ RoHS 3 (EU 2015/863) |
| ▶ ISO 11801 (Category 6A) | |
| ▶ NEMA WC63.1 (Category 6A) | |

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)	PSANEXT (Minimum dB/100m)	PSAACFR (Minimum dB/100m)			
1	2.1	74.3	72.3	20.0	67.0	67.0			
4	3.8	65.3	63.3	23.0	67.0	66.2			
8	5.3	60.8	58.8	24.5	67.0	60.1			
10	5.9	59.3	57.3	25.0	67.0	58.2			
16	7.5	56.2	54.2	25.0	67.0	54.1			
20	8.4	54.8	52.8	25.0	67.0	52.2			
25	9.4	53.3	51.3	24.3	67.0	50.2			
31.25	10.5	51.9	49.9	23.6	67.0	48.3			
62.5	15.0	47.4	45.4	21.5	65.6	42.3			
100	19.1	44.3	42.3	20.1	62.5	38.2			
155	24.1	41.4	39.4	18.8	59.6	34.4			
200	27.6	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			
500	45.3	33.8	31.8	15.2	52.0	24.2			
550	47.7	33.2	31.2	14.9	51.4	23.4			
600	50.1	32.6	30.6	14.7	50.8	22.6			
700	54.5	31.6	29.6	14.2	49.8	21.3			