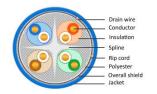


SPECIFICATIONS & TECHNICAL DATA

PART NUMBER: 1268

SySPEED® Premium Network EtherNet/IP Cable
Cat 6E Foil Shielded Twisted Pair (F/UTP) 4 Pair 23 AWG
Riser Rated - CMR, FT4, Sunlight Resistant





CHARACTERISTICS

- ▶ Conductor: 23 AWG Solid Bare Annealed Copper
- Insulation: Premium Polyolefin
- 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: Premium PVC (Flame-Retardant, Sun Resistant & RoHS Compliant)
- Nominal Cable Diameter (in): 0.275
- ► Temperature Rating (°F): Installation: +32 to +140
- Storage & Operation: -4 to +167

 Operating Voltage: 300V Max
- Recommended Connectors: 100025X by Platinum Tools

Conductor Color Code

Pair 1: Blue - White/Blue
Pair 2: Orange - White/Orange
Pair 3: Green - White/Green

All-in-One

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

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
- Combines indoor/outdoor applications into one product. Complies with UL 1581 sunlight resistance requirement for outdoor installations (Do not use as a substitute for Underground Direct Burial Cables)

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 CMR (UL 1666) for Riser
- RoHS 3 (EU 2015/863)
- ▶ UL 444
- ASTM B-3

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 Insertion Loss (Maximum dB/100m) NEXT (Minimum dB/100m) PSNEXT (Minimum dB/100m) Return Loss (Minimum dB/100m) Frequency (MHz) 2.0 74.3 72.3 20.0 65.3 63.3 23.0 3.8 8 5.3 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 54.8 52.8 25.0 25 9.5 51.3 24.3 31.25 10.7 51.9 49.9 23.6 45.4 62.5 15.4 47.4 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 17.3 36.3 36.4 300 37.1 35.1 16.8 39.8 350 36.1 34.1 16.3 400 43.0 35.3 33.3 15.9 33.8 31.8 500 48.9 15.2 550 51.8 33 2 31 2 14 9 600 54.5

© Syston Cable Technology Corp. All Rights Reserved. Although Syston Cable makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Syston Cable provides the information and specifications herein on an "ASIS" basis, with no representations or warrantiations, whether express, statutory, or implied. In no event will Syston Cable be lable for any damages (including consequential, indirect, incidental or evernplary damages) whatsoever, even if Syston Cable beso been advised of the possibility of such damages, whether in an action under contract, negligence, or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Syston Cable products are subject to Syston 'Cables standard terms and conditions contained on this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Syston Cable's knowledge, information, and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation based on their other product.