



VERTICAL CABLE

CAT6A CABLE

PLENUM (CMP RATED) | UTP | 550 MHz

065-300s SERIES

DESCRIPTION

CAT6A, 23 AWG, 4 Pair, 550 MHz, UTP, CMP Rated, UL, PoE+, TAA-Compliant

FEATURES

- High-Performance Data Cable
- 550 MHz Bandwidth for Data Applications
- Category-6A Unshielded Twisted Pair
- 23 AWG Solid Bare Copper Conductors
- Easily Identified Color-Striped Pairs
- Meets or exceeds ANSI/TIA-568.2-D
- Supports 15W PoE (IEEE 802.3af), 300W PoE+ (IEEE 802.3at Type 2), and IEEE 802.3 technologies up to 10 Gb/s (802.3an 10 GBASE-T)
- Plenum Rated PVC Jacket
- Central spline and internally ribbed jacket ensure excellent X-talk performance
- UL-Listed, RoHS Compliant, TAA Compliant
- 1,000 ft. Wooden Spool



| PART NUMBERS | |
|--|--|
| 065-307/A/P/RD  (Red) | 065-308/A/P/WH  (White) |

TRANSMISSION PERFORMANCE

Meets or exceeds ANSI/TIA-568.2-D specifications

CONSTRUCTION

Pairs: 4
 Conductors: 8
 Rip Cord: 1
 Separator/Spline: Yes

CONDUCTORS

Material: Solid Bare Copper
 Size: 23 AWG

INSULATION

Material: FEP
 Color Coding: Pair 1: Blue/White-Blue Pair 2: Orange/White-Orange
 Pair 3: Green/White-Green Pair 4: Brown/White-Brown

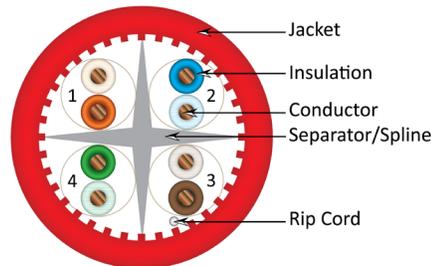
JACKET

Material: Polyvinyl Chloride (PVC)
 Outer Diameter: 0.26 in. (6.6 ± 0.1 mm)
 Marking: VERTICAL CABLE E191267 (UL)c(UL) VERIFIED
 CMP FT6 75C 23 AWG 4PR CAT6A ANSI/TIA
 568.2-D RoHS COMPLIANT XXXXFT

CERTIFICATIONS

NEC Article 800, ANSI/TIA/EIA 568.2-D Category 6A, 11801:2002 Category 6A, UL 910: CMP Rating, RoHS Compliant

Supports all CAT6A applications including:
 Ethernet 10 Gigabit, 100BASETX, 100BaseVG
 ANYLAN, 155ATM, 622ATM, NTSC/PAL
 Component or Composite Video, AES/EBU Digital
 Audio, AES51, RS-422



Florida (HQ)
800-749-2447

California
951-696-7772

New York
845-391-8318

Texas
713-322-7242

verticalcable.com

This specification sheet is subject to change without notice.



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ELECTRICAL & ENVIRONMENTAL CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Rated Temperature: | 75 °C |
| Voltage Rating: | 30 V _{RMS} |
| Product Standard Certification: | CMP (Plenum) |
| NVP: | 69% |
| Max Mutual Capacitance: | 5.6 nF/100m |
| Max Resistance Unbalance: | 5% |
| Max Capacitance Unbalance: | 330 pF/100m |
| Max DC Resistance: | 9.38 Ω/100m |

| Frequency MHz | Attenuation ≤dB | Return Loss ≥dB | NEXT ≥dB | P.S NEXT ≥dB | ELNEXT ≥dB | P.S ELNEXT ≥dB |
|------------------|--------------------|--------------------|-------------|-----------------|---------------|-------------------|
| 1 | 3.0 | 19.1 | 65.0 | 62.0 | 64.2 | 61.2 |
| 4 | 3.5 | 21.0 | 64.1 | 61.8 | 52.1 | 49.1 |
| 8 | 5.0 | 21.0 | 59.4 | 57.0 | 46.1 | 43.1 |
| 10 | 5.5 | 21.0 | 57.8 | 55.5 | 44.2 | 41.2 |
| 16 | 7.0 | 20.0 | 54.6 | 52.2 | 40.1 | 37.1 |
| 20 | 7.9 | 19.5 | 53.1 | 50.7 | 38.2 | 35.2 |
| 25 | 8.9 | 19.0 | 51.5 | 49.1 | 36.2 | 33.2 |
| 31.25 | 10.0 | 18.5 | 50.0 | 47.5 | 34.3 | 31.3 |
| 62.5 | 14.4 | 16.0 | 45.1 | 42.7 | 28.3 | 25.3 |
| 100 | 18.6 | 14.0 | 41.8 | 39.3 | 24.2 | 21.2 |
| 200 | 27.4 | 11.0 | 36.9 | 34.3 | 18.2 | 15.2 |
| 250 | 31.1 | 10.0 | 35.3 | 32.7 | 16.2 | 13.2 |
| 400 | 38.4 | 8.0 | 29.9 | 27.1 | 12.1 | 9.1 |
| 500 | 43.8 | 8.0 | 26.7 | 23.8 | 10.2 | 7.2 |

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