


CAT5E 350MHZ 24AWG, STP, 4 PAIR, SOLID 1000' PULL BOX

PART NUMBER:
057-469/S/BL



| | | | |
|------------------------|-------------------------------------|--------------------------------|--|
| PG. 1 | <input type="checkbox"/> APPROVALS: | <input type="checkbox"/> DATE: | THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY TO VERTICAL CABLE AND MAY NOT BE DISCLOSED OR TRANSMITTED TO ANY OTHER PARTIES WITHOUT THE EXPRESS WRITTEN PERMISSION OF VERTICAL CABLE. THIS INFORMATION IS PROVIDED FOR THE PURPOSES OF QUOTATION ONLY.  |
| | MARKETING | | |
| | TECHNICAL | | |
| | SALES | | |
| | FINAL | | |

GENERAL INFORMATION ABOUT THIS PRODUCT:

MANUFACTURER:

REFERENCE: 057-469/S/BL

DESCRIPTION:

Category-5E STP 1000' 8-Conductor, Bulk, Blue-PVC Jacket, Shielded AWG24 Solid-Bare Copper, Pull Box (UL/ETL)

ACCESSORIES INCLUDED WITH THIS PRODUCT:

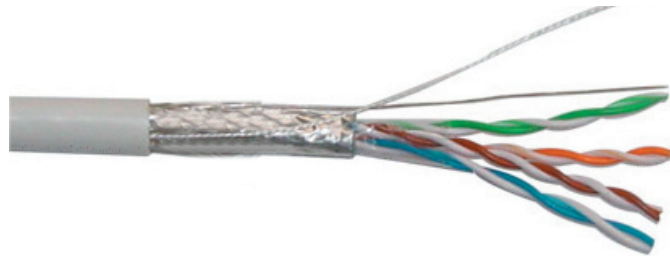
NONE

FEATURES AND BENEFITS:


- High-Performance Data Communications Cable for Noisy Environment
- Suitable for 350MHz High-Speed Data Applications, Gigabit Ethernet, Fast Ethernet and 155Mbps TP-PMD/CDDI
- Designed for Indoor Installations, (CMR) Riser
- Category-5E Shielded Twisted Pair (STP) Cable
- 4-Pair – Easily Identified Color-Striped Pairs
- AWG24 Solid Bare Copper Conductors
- Excellent Attenuation and Crosstalk Characteristics
- Exceeds EIA/TIA 568 B.2-1, UL, CSA and ISO/IEC 11801 specifications
- UL/cUL or ETL Listed
- Supplied in 1000' Pull Boxes



PULL BOX



CABLE

| | | |
|------------------|--|---|
| PG. 2 | <input type="checkbox"/> P/N: 057-469/S/BL | <input type="checkbox"/> PRODUCT: CATEGORY 5E, STP, 4 PAIR, 1000' PULL BOX |
| | <input type="checkbox"/> AUTHOR: |  |
| | <input type="checkbox"/> DATE: 04/03/07 <input type="checkbox"/> REV: 01 | |

TECHNICAL INFORMATION ABOUT THIS PRODUCT:

MANUFACTURER:

REFERENCE: 057-469/S/BL

DESCRIPTION:

Category-5E STP 1000' 8-Conductor, Bulk, Blue-PVC Jacket, Shielded AWG24 Solid-Bare Copper, Pull Box (UL/ETL)

TECHNICAL SPECS:

| | |
|--|---|
| Rated Temperature (°C) | 75 |
| Product Standard Certification | CMR |
| Flammability Test | IEC-332-1 |
| Application | Horizontal Wiring in LAN |
| Reference Standard | UL Subject 444, EIA/TIA 568 & ISO/IEC 11801 |
| Conductor | Solid Bare Copper |
| Size | 24 AWG |
| Diameter (mm) | 0.515 |
| Insulation | PE |
| Average Thickness (mm) | 0.228 |
| Min. Point Thickness (mm) | 0.205 |
| Insulation Diameter (±0.005mm) | 0.97 |
| Twisted Pair Diameter (±0.01) | 1.94 |
| Bond (mm) | PE-Tape |
| Shield (mm) | AL Foil |
| Drain Wire Dia.(±0.003mm) (Solid Tinned Copper) | 0.40 |
| Assembly Diameter | 4.95 |
| Jacket | PVC |
| Average Thickness (mm) | 0.60 |
| Min. Point Thickness (mm) | 0.55 |
| Outer Diameter (±0.10mm) | 6.15 |
| Rip Cord | Yes |
| Color | Blue |
| Color of Pairs | |
| Pair 1 | Blue,White-Blue |
| Pair 2 | Orange,White-Orange |
| Pair 3 | Green,White-Green |
| Pair 4 | Brown,White-Brown |
| Mechanical Characteristics | |
| Test Object | Jacket |
| Test Material | PVC |
| Before Tensile Strength (Mpa) | >=13.8 |
| Aging Elongation (%) | >=100 |
| Aging Condition (°Cxhrs) | 100x168 |
| After Tensile Strength (Mpa) | >=85% of unaged |
| Aging Elongation (%) | >=50% of unaged |
| Cold Bend (-20±2° Cx4hrs) | No Crack |

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Marking

VERTICAL E312655 (UL) C(UL) CMR FT4 STP 4PR 24 AWG VERIFIED CAT.5E 350MHZ
 TIA/EIA - 568B.2 STANDARD (VID:X#) XXXFT
 SEQUENTIAL FOOT MARKERS ON JACKET

Electrical Characteristics:

| | |
|--|--------|
| 1.0-100MHz Impedance (Ohms) | 100±15 |
| 100-200MHz Impedance (Ohms) | 100±25 |
| 200-350MHz Impedance (Ohms) | 100±35 |
| 1.0-350.0MHz Delay Skew (ns/100m) | <=45 |
| Pair-to-Ground Capacitance Unbalance (pF/100m) | <=330 |
| Max. Conductor DC Resistance 20°C (ohms/km) | 93.8 |
| Resistance Unbalance (%) | <=5 |

| Frequency (Mhz) | Return Loss (Min dB) | Attenuation Max | Next (ns/100m) | ACR Typ(dB) |
|-----------------|----------------------|-----------------|----------------|-------------|
| 0.772 | 19.4 | 1.8 | 67.0 | 67.7 |
| 1 | 20.0 | 2.0 | 65.3 | 67.3 |
| 4 | 23.0 | 4.1 | 56.3 | 56.2 |
| 8 | 24.5 | 5.8 | 51.8 | 50.0 |
| 10 | 25.0 | 6.5 | 50.3 | 47.8 |
| 16 | 25.0 | 8.2 | 47.3 | 44.0 |
| 20 | 25.0 | 9.3 | 45.8 | 41.5 |
| 25 | 24.3 | 10.4 | 44.3 | 38.9 |
| 31.25 | 23.6 | 11.7 | 42.9 | 36.2 |
| 62.5 | 21.5 | 17.0 | 38.4 | 27.4 |
| 100 | 20.1 | 22.0 | 35.3 | 19.3 |
| 200 | 18.0 | 32.4 | 30.8 | 3.5 |
| 300 | 16.8 | 41.0 | 28.2 | ----- |
| 350 | 16.3 | 44.9 | 27.2 | ----- |

| Frequency (Mhz) | PSNext (Min dB) | ELFEXT Min(db/100m) | PSELFEXT Min(db/100m) |
|-----------------|-----------------|---------------------|-----------------------|
| 0.772 | 64.0 | 66.0 | 63.0 |
| 1 | 62.3 | 63.8 | 60.8 |
| 4 | 53.3 | 51.7 | 48.7 |
| 8 | 48.8 | 45.7 | 42.7 |
| 10 | 47.3 | 43.8 | 40.8 |
| 16 | 44.3 | 39.7 | 36.7 |
| 20 | 42.8 | 37.7 | 34.7 |
| 25 | 41.3 | 35.8 | 32.8 |
| 31.25 | 39.9 | 33.9 | 30.9 |
| 62.5 | 35.4 | 27.8 | 24.8 |
| 100 | 32.3 | 23.8 | 20.8 |
| 200 | 27.8 | 17.7 | 14.7 |
| 300 | 25.2 | 14.2 | 11.2 |
| 350 | 24.2 | 12.9 | 9.9 |

**PG.
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P/N: 057-469/S/BL

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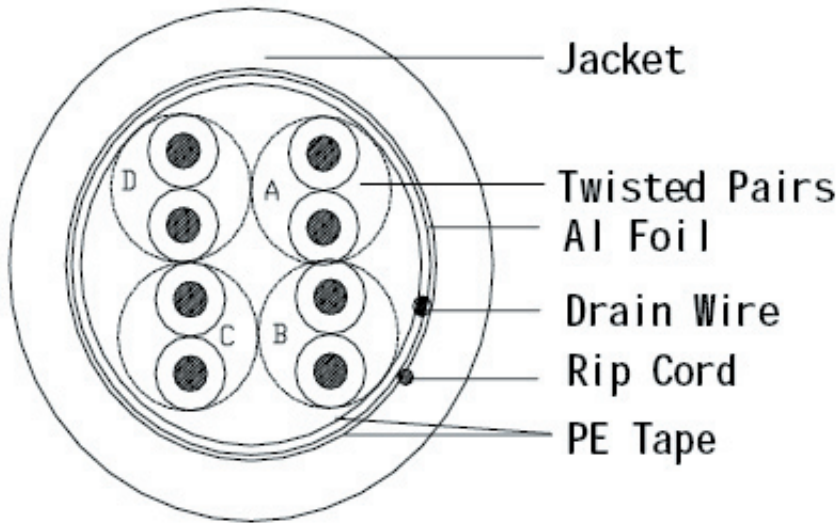
AUTHOR:

DATE: 04/03/07

REV: 01



TECHNICAL DIAGRAM:



LABEL FOR PRODUCTION DATE CONTROL:

THIS UPC LABEL IS PLACED ON EACH 1 UNIT SHIPMENT CARTON.

LABEL: UPC CODE



IMPORTANT NOTE: --

UL FILE NUMBER: E312655

ETL FILE NUMBER: --

PG.
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PRODUCT: CATEGORY 5E, STP, 4 PAIR, 1000' PULL BOX

AUTHOR:

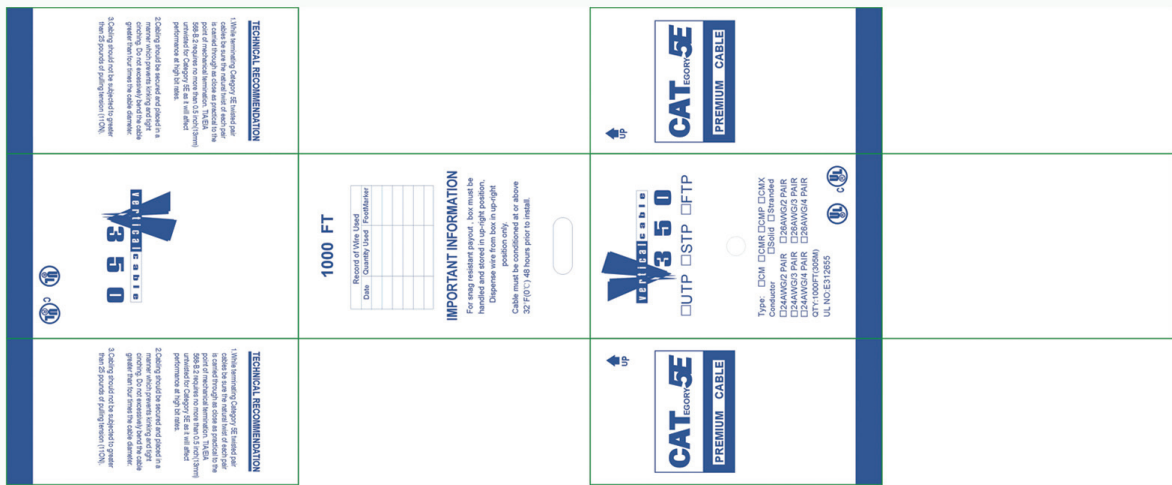
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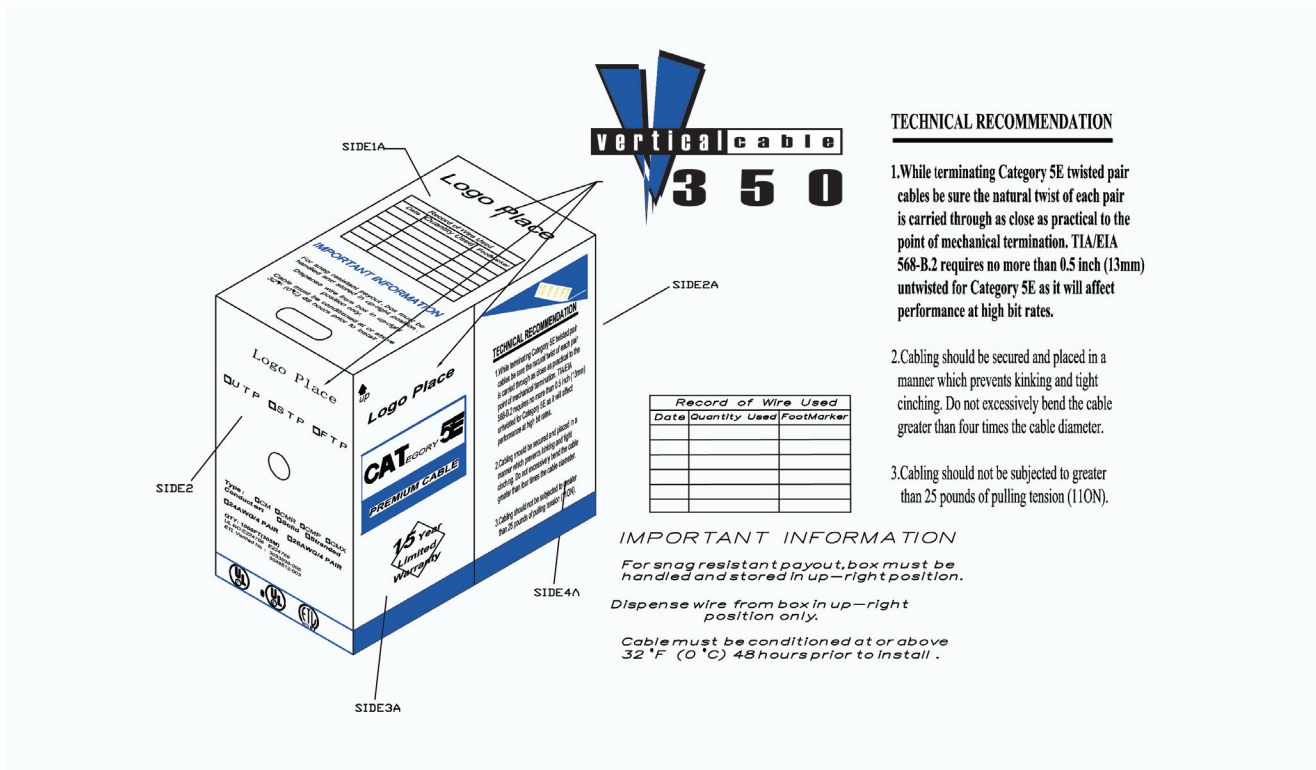


PRODUCT PACKAGING DIMENSIONS:

PULL BOX PACKAGING - FLAT :



PULL BOX PACKAGING:



TECHNICAL RECOMMENDATION

1. While terminating Category 5E twisted pair cables be sure the natural twist of each pair is carried through as close as practical to the point of mechanical termination. TIA/EIA 568-B.2 requires no more than 0.5 inch (13mm) untwisted for Category 5E as it will affect performance at high bit rates.
2. Cabling should be secured and placed in a manner which prevents kinking and tight cinching. Do not excessively bend the cable greater than four times the cable diameter.
3. Cabling should not be subjected to greater than 25 pounds of pulling tension (110N).

| Record of Wire Used | | |
|---------------------|---------------|------------|
| Date | Quantity Used | FootMarker |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

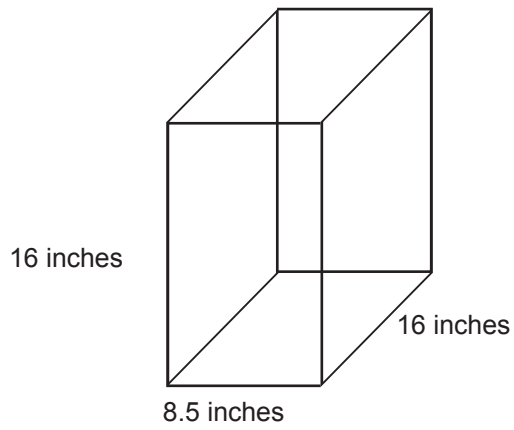
IMPORTANT INFORMATION
 For snag resistant payout, box must be handled and stored in up-right position.
 Dispense wire from box in up-right position only.
 Cable must be conditioned at or above 32°F (0°C) 48 hours prior to install.

| | | |
|--------------|--|--|
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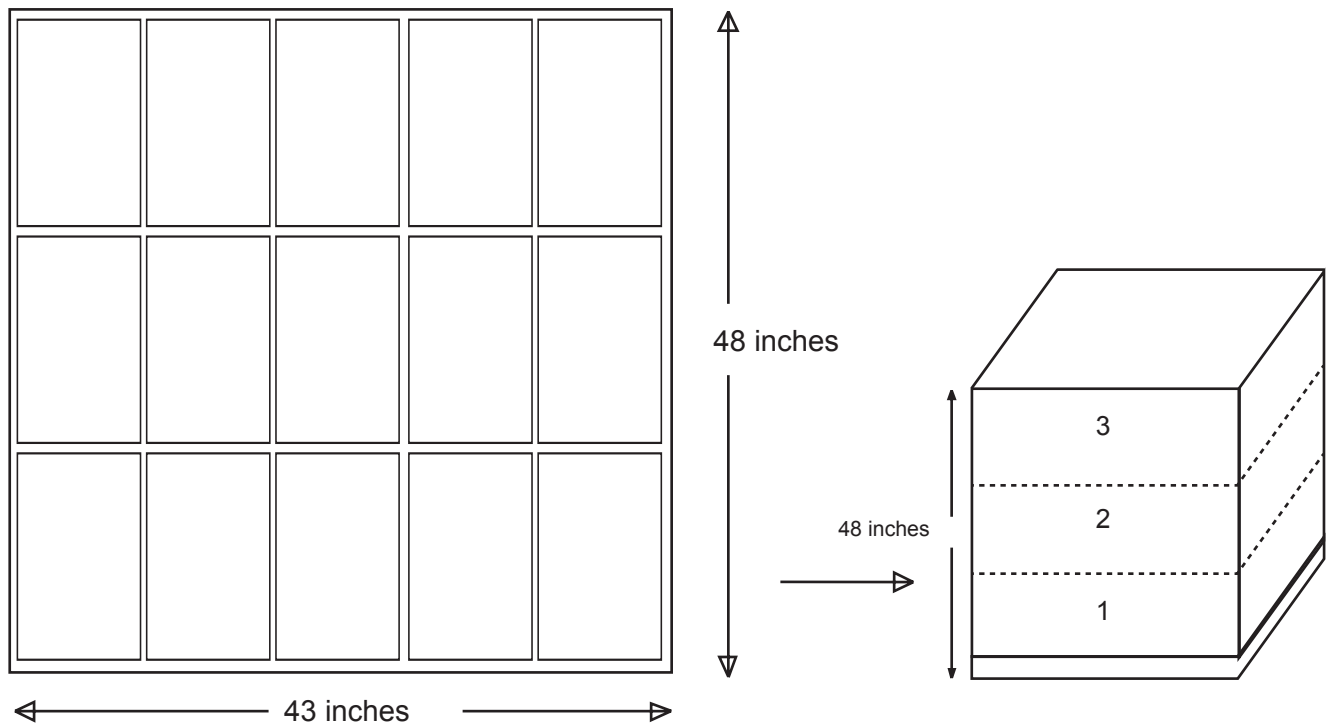


SHIPMENT CARTON:

SHIPMENT BOX DIMENSION:



SHIPMENT CARTONS PLACED IN A PALLET (ONE PALLET FITS 45 CARTONS):



**PG.
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