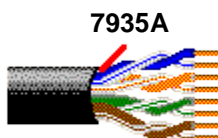




Product Details

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7935A

Multi-Conductor - Category 5e Low Smoke Zero Halogen

24 AWG Bonded-Pairs solid bare copper conductors, polyolefin insulation, sunlight- and oil-resistant LSZH jacket, rip cord. Sequential marking at two foot intervals.

For more
Information
please call

1-800-
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Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|---------|-------|--------------------|
| 7935A 0101000 | 1,000 FT | 24.000 LB | BLACK C | | 4 PR #24 PP FRNHPO |
| 7935A 0102000 | 2,000 FT | 44.000 LB | BLACK C | | 4 PR #24 PP FRNHPO |

Notes:

C = CRATE REEL PUT-UP.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 4 | 24 | Solid | BC - Bare Copper | .020 |

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) | Dia. (in.) |
|---------------------|----------------------|------------|
| PO - Polyolefin | .009 | .035 |

Outer Shield

Outer Shield Material:

Outer Shield Material

Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material

LSZH - Low Smoke Zero Halogen

Outer Jacket Ripcord: Yes

Overall Cabling

Overall Nominal Diameter: 0.230 in.

Pair

Pair Color Code Chart:

| Number | Color |
|--------|-------|
|--------|-------|

- | | |
|---|------------------------------|
| 1 | White/Blue Stripe & Blue |
| 2 | White/Orange Stripe & Orange |
| 3 | White/Green Stripe & Green |
| 4 | White/Brown Stripe & Brown |

Mechanical Characteristics (Overall)

| | |
|--|-----------------|
| Storage Temperature Range: | -10°C To +75°C |
| Installation Temperature Range: | +5°C To +75°C |
| Operating Temperature Range: | -10°C To +75°C |
| Bulk Cable Weight: | 19 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 40 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 0.250 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|--|
| NEC/(UL) Specification: | CM, UL444 |
| CEC/C(UL) Specification: | CM |
| Other Standards: | 11801 Category 5 |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 08/30/2006 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |
| Telecommunications Standards: | 568-B.2 Category 5e |
| Other Specification: | NEMA WC-63.1 Category 5e, UL verified to Category 5e, Ethernet/IP™ Compliant |

Flame Test

| | |
|-----------------|----------------------|
| UL Flame Test: | UL1666 Vertical Tray |
| CSA Flame Test: | FT1 |

Suitability

| | |
|------------------------|-----|
| Suitability - Outdoor: | Yes |
| Sunlight Resistance: | Yes |
| Oil Resistance: | No |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Electrical Characteristics (Overall)

Nom. Mutual Capacitance:

Capacitance (pF/ft)

15

Maximum Capacitance Unbalance (pF/100 m): 66

Nominal Velocity of Propagation:

VP (%)

70

Maximum Delay:

Delay (ns/100 m)

510

Max. Delay Skew:

Delay Skew (ns/100 m)

25

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)

9

Max. Operating Voltage - UL:**Voltage**

300 V RMS

Maximum DCR Unbalanced:**DCR Unbalance @ 20°C (%)**

3

Electrical Characteristics-Premise (Overall)**Premise Cable Electrical Table 1:**

| Freq. (MHz) | Max. Attenuation (dB/100 m) | Min. NEXT (dB) | Min. PSNEXT (dB) | Min. ACR (dB) | Min. PSACR (dB) | Min RL (dB) |
|-------------|-----------------------------|----------------|------------------|---------------|-----------------|-------------|
| 1 | 2.0 | 65.3 | 65.3 | 63.3 | 63.3 | 20.0 |
| 4 | 4.0 | 56.3 | 56.3 | 52.3 | 52.3 | 23.6 |
| 8 | 5.7 | 51.8 | 51.8 | 46.1 | 46.1 | 25.4 |
| 10 | 6.4 | 50.3 | 50.3 | 43.9 | 43.9 | 26.0 |
| 16 | 8.1 | 47.3 | 47.3 | 39.1 | 39.1 | 26.0 |
| 20 | 9.2 | 45.8 | 45.8 | 35.2 | 35.2 | 26.0 |
| 25 | 10.3 | 44.3 | 44.3 | 34.1 | 34.1 | 25.5 |
| 31.25 | 11.6 | 42.9 | 42.9 | 31.3 | 31.3 | 25.0 |
| 62.5 | 16.8 | 38.4 | 38.4 | 21.6 | 21.6 | 23.5 |
| 100 | 21.7 | 35.3 | 35.3 | 17.1 | 17.1 | 22.5 |
| 155 | 27.7 | 32.5 | 32.5 | 4.7 | 4.7 | 19.0 |
| 200 | 32.0 | 30.8 | 30.8 | 3.0 | 3.0 | 19.0 |
| 250 | 36.4 | 29.3 | 29.3 | >0 | >0 | 18.0 |
| 300 | 40.5 | 28.2 | 28.2 | >0 | >0 | 18.0 |
| 310 | 41.3 | 27.9 | 27.9 | | | 18.0 |
| 350 | 44.3 | 27.2 | 27.2 | | | 17.0 |

Premise Cable Electrical Table 2:

| Freq. (MHz) | Input (Unfitted) Imp. (Ohms) | Fitted Impedance | Min. ELFEXT (dB) | Min. PSELFEXT (dB) |
|-------------|------------------------------|------------------|------------------|--------------------|
| 1 | 100 ± 12 | 95-110 | 63.8 | 60.8 |
| 4 | 100 ± 12 | 95-110 | 51.7 | 48.7 |
| 8 | 100 ± 12 | 95-107 | 45.7 | 42.7 |
| 10 | 100 ± 12 | 95-107 | 43.8 | 40.8 |
| 16 | 100 ± 12 | 95-107 | 39.7 | 36.7 |
| 20 | 100 ± 12 | 95-107 | 37.7 | 34.7 |
| 25 | 100 ± 15 | 95-107 | 35.8 | 32.8 |
| 31.25 | 100 ± 15 | 95-107 | 33.9 | 30.9 |
| 62.5 | 100 ± 15 | 95-107 | 27.8 | 24.8 |
| 100 | 100 ± 15 | 95-107 | 23.8 | 20.8 |
| 155 | 100 ± 18 | 100 ± 10 | 19.9 | 16.9 |
| 200 | 100 ± 20 | 100 ± 10 | 17.7 | 14.7 |
| 250 | 100 ± 20 | 100 ± 10 | 15.8 | 12.8 |
| 300 | 100 ± 20 | 100 ± 10 | 14.2 | 11.2 |
| 310 | 100 ± 20 | 100 ± 10 | 13.9 | 10.9 |
| 350 | 100 ± 22 | 100 ± 10 | 12.9 | 9.9 |

Notes (Overall)

Notes: US Patent #'s 5, 606, 151; 5, 734, 126. EtherNet IP is a trademark of ControlNet International, Ltd. under license by Open DeviceNet Vendor Association, Inc. Operating temperatures are subject to length de-rating. Cable passes -40C Cold Bend per UL 1581.

Close

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