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1-800-Belden1



General Description:

26 AWG stranded tinned copper conductor, Datalene® insulation, pairs individually shielded with bonded Beldfoil® with a drain wire and have numbered and color-coded PVC jackets, overall Beldfoil® shield/drain wire + overall PVC jacket with nylon ripcord.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (mm) |
|---------|-----|-----------|--------------------|-----------|
| 4 | 26 | 7x34 | TC - Tinned Copper | 0.4826 |

Total Number of Conductors: 8

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material | Dia. (mm) |
|-----------------------|--|-----------|
| Datalene® | FHDPE - Foam High Density Polyethylene | 1.3716 |

Inner Shield

Inner Shield Material:

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|-------------------------|------|-------------------------------------|--------------|
| Beldfoil® | Tape | Bonded Aluminum Foil-Polyester Tape | 100 |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 26 |

Inner Shield Drain Wire Stranding: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Inner Jacket

Inner Jacket Material:

| Inner Jacket Material | Nom. Dia. (mm) |
|--------------------------|----------------|
| PVC - Polyvinyl Chloride | 3.4544 |

Inner Jacket Color Code Chart:

| Number | Color |
|--------|-----------------------|
| 1 | Brown and Numbered 1 |
| 2 | Red and Numbered 2 |
| 3 | Orange and Numbered 3 |
| 4 | Yellow and Numbered 4 |

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 26 | Stranded | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 10.135 mm

Pair

Pair Color Code Chart:

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

| | |
|---|-------------|
| 1 | Red & Black |
| 2 | Red & Black |
| 3 | Red & Black |
| 4 | Red & Black |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|----------------|
| Operating Temperature Range: | -30°C To +80°C |
| Bulk Cable Weight: | 77.386 Kg/Km |
| Max. Recommended Pulling Tension: | 200.169 N |
| Min. Bend Radius/Minor Axis: | 101.600 mm |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CM |
| CEC/C(UL) Specification: | CM |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |
| 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 |

Flame Test

| | |
|-----------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
| CSA Flame Test: | FT4 |

Plenum/Non-Plenum

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

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| |
|-----------------|
| Impedance (Ohm) |
| 110 |

Nom. Inductance:

| |
|-------------------|
| Inductance (µH/m) |
| 0.82025 |

Nom. Capacitance Conductor to Conductor:

| |
|--------------------|
| Capacitance (pF/m) |
| 42.653 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|--------------------|
| Capacitance (pF/m) |
| 82.025 |

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
| 76 |

Nom. Conductor DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 122.381 |

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 83.666 Ohm/km

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100m) |
|-------------|-----------------------|
| .384 | 2.75604 |
| .7056 | 3.74034 |
| .768 | 3.87158 |
| 1.024 | 4.39654 |

| | |
|---------|---------|
| 1.4112 | 4.9215 |
| 1.536 | 5.05274 |
| 2.048 | 5.54489 |
| 2.8224 | 6.10266 |
| 3.0720 | 6.29952 |
| 4.096 | 7.02134 |
| 5.6448 | 7.8744 |
| 6.144 | 8.10407 |
| 8.192 | 9.02275 |
| 11.2896 | 10.1383 |
| 12.288 | 10.4336 |
| 24.576 | 13.7802 |

Notes (Overall)

Notes: Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|---------|-------|------------------------------|
| 7890A Z4B1000 | 1,000 FT | 61.000 LB | VIO Z4B | C | 4 #26 FHDPE FS PR PVC FS PVC |
| 7890A Z4B500 | 500 FT | 31.000 LB | VIO Z4B | C | 4 #26 FHDPE FS PR PVC FS PVC |

Notes:
C = CRATE REEL PUT-UP.

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