

7890A Multi-Conductor - Multi-Pair Cable



For more Information
please call

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. (in.) |
|---------|-----|-----------|--------------------|------------|
| 4 | 26 | 7x34 | TC - Tinned Copper | .019 |

Total Number of Conductors: 8

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material | Dia. (in.) |
|-----------------------|--|------------|
| Datalene® | FHDPE - Foam High Density Polyethylene | .054 |

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. (in.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | .136 |

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: 0.399 in.

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: 52 lbs/1000 ft.

Max. Recommended Pulling Tension: 45 lbs.

Min. Bend Radius/Minor Axis: 4 in.

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/ft)

.25

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

13

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
25.0

Nominal Velocity of Propagation:

VP (%)
76

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
37.3

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 25.500 Ohm/1000 ft

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| .384 | .84 |
| .7056 | 1.14 |
| .768 | 1.18 |
| 1.024 | 1.34 |
| 1.4112 | 1.50 |
| 1.536 | 1.54 |
| 2.048 | 1.69 |
| 2.8224 | 1.86 |
| 3.0720 | 1.92 |
| 4.096 | 2.14 |
| 5.6448 | 2.40 |
| 6.144 | 2.47 |
| 8.192 | 2.75 |
| 11.2896 | 3.09 |
| 12.288 | 3.18 |
| 24.576 | 4.20 |

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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- Техническая поддержка проекта;
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Как с нами связаться

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