

## 7885A Multi-Conductor - Super-Flexible, High-Performance Cable



**Call**  
 Customer Service  
**1-800-BELDEN1**

For more Information  
 please call

1-800-Belden1

**Description:**

26 AWG stranded (19x38) bare copper conductor, polyethylene insulation, individually shielded with BC "French Braid", each quad w/26 AWG TC drain wire, color-coded PVC inner jacket w/overall PVC jacket and 20 AWG TC drain wire.

**Physical Characteristics (Overall)****Conductor****AWG:**

| AWG Stranding | Conductor Material | Dia. (in.) |
|---------------|--------------------|------------|
| 26 19x38      | BC - Bare Copper   | .020       |

**Number of Quads:** 4

**Insulation****Insulation Material:**

| Insulation Material | Dia. (in.) |
|---------------------|------------|
| PE - Polyethylene   | .045       |

**Inner Shield****Inner Shield Material:**

| Coverage (%) |
|--------------|
| 95           |

**Inner Jacket****Inner Jacket Material:**

| Inner Jacket Material    | Nom. Dia. (in.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | .157            |

**Inner Jacket Insulation Resistance:** Brown, Red, Orange, Yellow

**Inner Jacket Color Code Chart:**

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

**Quad Inner Jacket****Quad Inner Jacket Color Code Chart:**

| Number | Color               |
|--------|---------------------|
| 1      | Blue                |
| 2      | White               |
| 3      | Blue w/White Stripe |
| 4      | White w/Blue Stripe |

**Outer Shield****Outer Shield Drain Wire AWG:**

| AWG Stranding | Drain Wire Conductor Material |
|---------------|-------------------------------|
| 20 19x32      | TC - Tinned Copper            |

**Quad Shield**

**Quad Shield Material Type:** French Braid

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|                                            |                    |
|--------------------------------------------|--------------------|
| Quad Shield Material:                      | TC - Tinned Copper |
| Quad Shield %Coverage:                     | 95 %               |
| Quad Shield Drain Wire AWG:                | 26                 |
| Quad Shield Drain Wire Stranding:          | 7x38               |
| Quad Shield Drain Wire Conductor Material: | TC - Tinned Copper |

## Outer Jacket

Outer Jacket Material:

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

## Overall Cable

Overall Cabling Color Code Chart:

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

|                           |           |
|---------------------------|-----------|
| Overall Nominal Diameter: | 0.498 in. |
|---------------------------|-----------|

## Mechanical Characteristics (Overall)

|                                        |                  |
|----------------------------------------|------------------|
| Operating Temperature Range:           | -40°C To +60°C   |
| Bulk Cable Weight:                     | 126 lbs/1000 ft. |
| Max. Recommended Pulling Tension:      | 178 lbs.         |
| Min. Bend Radius (Install)/Minor Axis: | 5 in.            |

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|                                   |     |
|-----------------------------------|-----|
| EU CE Mark:                       | No  |
| EU Directive 2000/53/EC (ELV):    | Yes |
| EU Directive 2002/95/EC (RoHS):   | Yes |
| 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 |

## Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| Impedance (Ohm) |
|-----------------|
| 40              |

Nom. Inductance:

| Inductance (µH/ft) |
|--------------------|
| .21                |

Nom. Capacitance Cond. to Other Conductor &amp; Shield:

| Capacitance (pF/ft) |
|---------------------|
| 39.2                |

Nom. Cap. Between Cond. in a Quad Config.:

| Capacitance (pF/ft) |
|---------------------|
| 57.4                |

## 7885A Multi-Conductor - Super-Flexible, High-Performance Cable

## Nominal Velocity of Propagation:

|        |
|--------|
| VP (%) |
| 66     |

## Nom. Conductor DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 36                       |

## Nom. Inner Shield DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 6.8                      |

## Max. Operating Voltage - UL:

|           |
|-----------|
| Voltage   |
| 100 V RMS |

## Max. Recommended Current:

|                            |
|----------------------------|
| Current                    |
| 1 Amp per conductor @ 25°C |

## Other Electrical Characteristic 1:

2/c 22 AWG equivalent DCR when connected to a 3-pin XLR.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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