

## 7887A Multi-Conductor - Super-Flexible, High-Performance Cable



For more Information  
please call

1-800-Belden1



### General 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. (mm)
26	19x38	BC - Bare Copper	0.508

Total Number of Conductors: 48

Number of Quads: 12

#### Insulation

##### Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	1.143

#### Inner Shield

##### Inner Shield Material:

Coverage (%)
95

#### Inner Jacket

##### Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	3.9878

Inner Jacket Insulation Resistance: Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White, Black, Beige, Pink

#### Inner Jacket Color Code Chart:

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Gray
9	White
10	Black
11	Beige
12	Pink

#### Quad Inner Jacket

##### Quad Inner Jacket Color Code Chart:

Number	Color
1	Blue
2	White

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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

Quad Shield Material: BC - Bare 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
5	Green
6	Blue
7	Purple
8	Gray
9	White
10	Black
11	Beige
12	Pink

Overall Nominal Diameter: 21.031 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +60°C

Bulk Cable Weight: 504.500 Kg/Km

Max. Recommended Pulling Tension: 2379.790 N

Min. Bend Radius/Minor Axis: 215.900 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: No

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

METRIC MEASUREMENT VERSION

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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/m)  
0.68901

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)  
128.615

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

Capacitance (pF/m)  
188.329

#### Nominal Velocity of Propagation:

VP (%)  
66

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
118.116

#### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)  
22.3108

#### 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.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7887A B59500	152 MT	84.142 KG	BLACK, MATTE	C	12 QUAD PO FBRD PVC PVC

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 05-14-2007

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