

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 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
MII Order #39 (China RoHS):	Yes

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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.

Test Reports

a) UL

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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