

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

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

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

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

MIL 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	500 FT	185.500 LB	BLACK, MATTE	C	12 QUAD PO FBRD PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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

© 2019 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge,

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

information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.