

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



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Customer Service
1-800-BELDEN1

For more Information
please call

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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: 16

Number of Quads: 4

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

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

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Quad Shield Material Type:	French Braid
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: 12.649 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +60°C
Bulk Cable Weight:	187.513 Kg/Km
Max. Recommended Pulling Tension:	791.780 N
Min. Bend Radius/Minor Axis:	127 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 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/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)

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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
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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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