

## 85102 Multi-Conductor - Control and Instrumentation Cables, 2 Conductors Cabled

For more Information  
please call

1-800-Belden1



### General Description:

16 AWG stranded (19x29) TC conductors, conductors cabled, Tefzel insulation, Tefzel jacket

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	16	19x29	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Trade Name	Wall Thickness (in.)
Tefzel®	0.014

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Nom. Wall Thickness (in.)
Tefzel®	.019

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

Overall Nominal Diameter: 0.211 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-60°C To +150°C
Non-UL Temperature Rating:	150°C
Bulk Cable Weight:	28 lbs/1000 ft.
Max. Recommended Pulling Tension:	61 lbs.
Min. Bend Radius/Minor Axis:	2.250 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes
Other Specification:	NEMA HP3

#### Flame Test

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UL Flame Test: VW-1

### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/ft)

.17

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

20

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.76

#### Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

9.5 Amps per conductor @ 25°C

### Notes (Overall)

Notes: Tefzel is a trademark of Dupont.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
85102 3681000	1,000 FT	32.000 LB	CLEAR, TRANSPARENT	C	2#16 TEFZEL TEFZEL
85102 368500	500 FT	16.000 LB	CLEAR, TRANSPARENT	C	2#16 TEFZEL TEFZEL

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 10-15-2012

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