

## 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 (mm)
Tefzel®	0.356

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Trade Name	Nom. Wall Thickness (mm)
Tefzel®	0.4826

#### Overall Cable

##### Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

Overall Nominal Diameter: 5.359 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -60°C To +150°C

Non-UL Temperature Rating: 150°C

Bulk Cable Weight: 41.670 Kg/Km

Max. Recommended Pulling Tension: 271.340 N

Min. Bend Radius/Minor Axis: 57.150 mm

### 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

METRIC MEASUREMENT VERSION

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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

MII Order #39 (China RoHS): Yes

Other Specification: NEMA HP3

### Flame Test

UL Flame Test: VW-1

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (µH/m)

0.55777

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

65.62

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

15.6176

### 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.

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determining the applicability of legislation and regulations based on their individual usage of the product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).