

METRIC MEASUREMENT VERSION



## 8465 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information  
please call

1-800-Belden1



### General Description:

18 AWG stranded (19x30) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
5	18	19x30	TC - Tinned Copper

Total Number of Conductors: 5

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.4318

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8382

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red
4	Green
5	Brown

Overall Nominal Diameter: 7.163 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2598)
Bulk Cable Weight:	74.410 Kg/Km
Max. Recommended Pulling Tension:	556.025 N
Min. Bend Radius/Minor Axis:	76.200 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG

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**AWM Specification:** UL Style 2598 (300 V 60°C)

**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

**MII Order #39 (China RoHS):** Yes

### Flame Test

**UL Flame Test:** UL1685 FT4 Loading

**CSA Flame Test:** FT4

### Plenum/Non-Plenum

**Plenum (Y/N):** No

## Electrical Characteristics (Overall)

### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/m)**

85.306

### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**

20.6703

### Max. Operating Voltage - UL:

**Voltage**

300 V RMS (UL AWM Style 2598)

### Max. Recommended Current:

**Current**

4 Amps per conductor @ 25°C

## Notes (Overall)

**Notes:** Nominal Loop Inductance: .18 µH/ft.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8465 060U1000	1,000 FT	52.000 LB	CHROME		5 #18 PVC PVC
8465 060U500	500 FT	26.500 LB	CHROME		5 #18 PVC PVC
8465 060100	100 FT	5.700 LB	CHROME		5 #18 PVC PVC
8465 0601000	1,000 FT	53.000 LB	CHROME	C	5 #18 PVC PVC
8465 060500	500 FT	27.000 LB	CHROME	C	5 #18 PVC PVC
8465 0605000	5,000 FT	270.000 LB	CHROME		5 #18 PVC PVC

### Notes:

C = CRATE REEL PUT-UP.

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