

## 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 (in.)
PVC - Polyvinyl Chloride	.017

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.033

#### Overall Cable

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 0.282 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2598)
Bulk Cable Weight:	50 lbs/1000 ft.
Max. Recommended Pulling Tension:	125 lbs.
Min. Bend Radius/Minor Axis:	3 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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

## ENGLISH MEASUREMENT VERSION

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

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

Mil 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/ft)

26

##### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.3

##### 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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