

## 8489 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
4	18	19x30	TC - Tinned Copper

Total Number of Conductors: 4

#### 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	0.8128

#### Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Direction	Twists (twist/m)
76.200	Left Hand	13.124

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red
4	Green

Overall Nominal Diameter: 6.528 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C (UL AWM Style 2598)

Bulk Cable Weight: 65.481 Kg/Km

Max. Recommended Pulling Tension: 369.201 N

Min. Bend Radius/Minor Axis: 69.850 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC(UL) Specification: CL3, CMG

NEC Articles: 725, 800

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

## METRIC MEASUREMENT VERSION

### 8489 Multi-Conductor - Audio, Control and Instrumentation Cable

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

#### Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4

#### Suitability

Suitability - Indoor:	Yes
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#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	88489, 82489

### 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

#### Max. Recommended Current:

Description	Current
10C Temperature Rise	4 Amps per conductor @ 25°C ambient

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8489 060U1000	1,000 FT	46.000 LB	CHROME		4 #18 PVC PVC
8489 060U500	500 FT	23.500 LB	CHROME		4 #18 PVC PVC
8489 060100	100 FT	5.100 LB	CHROME		4 #18 PVC PVC
8489 0601000	1,000 FT	48.000 LB	CHROME	C	4 #18 PVC PVC
8489 060250	250 FT	12.000 LB	CHROME		4 #18 PVC PVC
8489 060500	500 FT	24.000 LB	CHROME	C	4 #18 PVC PVC
8489 0605000	5,000 FT	230.000 LB	CHROME		4 #18 PVC PVC

#### Notes:

C = CRATE REEL PUT-UP.

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