

## 8448 Multi-Conductor - Antenna Rotor Cable

For more Information  
please call

1-800-Belden1

**General Description:**

6 - 22 AWG stranded (7x30) and 2 - 18 AWG stranded (16x30) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
2	18	16x30	TC - Tinned Copper
6	22	7x30	TC - Tinned Copper

**Total Number of Conductors:** 8

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (in.)	AWG
PVC - Polyvinyl Chloride	0.019	18
PVC - Polyvinyl Chloride	0.011	22

**Outer Shield****Outer Shield Material:**

Outer Shield Material
Unshielded

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.032

**Overall Cable****Overall Cabling Color Code Chart:**

Number	Color
1	Black (18 AWG)
2	White (18 AWG)
3	Red (22 AWG)
4	Green (22 AWG)
5	Brown (22 AWG)
6	Blue (22 AWG)
7	Yellow (22 AWG)
8	Orange (22 AWG)

**Overall Nominal Diameter:** 0.259 in.

**Mechanical Characteristics (Overall)**

<b>Operating Temperature Range:</b>	-20°C To +80°C
<b>UL Temperature Rating:</b>	80°C (UL AWM Style 2576)
<b>Bulk Cable Weight:</b>	47 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	86 lbs.
<b>Min. Bend Radius/Minor Axis:</b>	2.750 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2576 (150 V 80°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

### Suitability

Sunlight Resistance:	Yes
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## Electrical Characteristics (Overall)

### Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
22 AWG	15.6
18 AWG	6.8

### Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	CMG
150 V RMS	UL AWM Style 2576

### Max. Recommended Current:

Current
2.4 Amps per conductor @ 25°C (22 AWG)
4 Amps per conductor @ 25°C (18 AWG)

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8448 060U1000	1,000 FT	49.000 LB	CHROME		2#18,6#22 PVC PVC
8448 060U500	500 FT	25.000 LB	CHROME		2#18,6#22 PVC PVC
8448 0601000	1,000 FT	50.000 LB	CHROME	C	2#18,6#22 PVC PVC
8448 060500	500 FT	25.500 LB	CHROME	C	2#18,6#22 PVC PVC

### Notes:

C = CRATE REEL PUT-UP.

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