

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)

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

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

| | |
|------------------------------------|----------------------------|
| NEC/(UL) Specification: | CMG |
| CEC/(UL) Specification: | CMG |
| AWM Specification: | UL Style 2576 (150 V 80°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark: | Yes |

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| | |
|---------------------------------------|------------|
| 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 |
| MIL Order #39 (China RoHS): | Yes |

Flame Test

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

Suitability

| | |
|----------------------|-----|
| Sunlight Resistance: | Yes |
|----------------------|-----|

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 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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