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### General Description:

13 AWG stranded (7x21) .089" bare copper conductor, polyethylene insulation, bare copper braid shield (96% coverage), non-contaminating PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (mm) |
|--------|-----|-----------|--------------------|-----------|
| 1      | 13  | 7x21      | BC - Bare Copper   | 2.2606    |

Total Number of Conductors: 1

#### Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|---------------------|-----------|
| PE - Polyethylene   | 7.239     |

#### Outer Shield

Outer Shield Material:

| Type  | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | BC - Bare Copper      | 96           |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material                        |
|--|
| PVCNC - Polyvinyl Chloride Non-Contaminating |

#### Overall Cable

Overall Nominal Diameter: 10.287 mm

### Mechanical Characteristics (Overall)

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range:      | -40°C To +80°C           |
| UL Temperature Rating:            | 60°C (UL AWM Style 1354) |
| Bulk Cable Weight:                | 154.773 Kg/Km            |
| Max. Recommended Pulling Tension: | 818.469 N                |
| Min. Bend Radius/Minor Axis:      | 127 mm                   |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                    |                           |
|------------------------------------|---------------------------|
| NEC/(UL) Specification:            | CMX                       |
| CEC/C(UL) Specification:           | CMX                       |
| AWM Specification:                 | UL Style 1354 (30 V 60°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes                       |
| EU CE Mark:                        | No                        |
| EU Directive 2000/53/EC (ELV):     | Yes                       |
| EU Directive 2002/95/EC (RoHS):    | Yes                       |

|                                       |                         |
|---------------------------------------|-------------------------|
| EU RoHS Compliance Date (mm/dd/yyyy): | 10/01/2005              |
| 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                     |
| Military Specification:               | MIL-C-17, M17/163-00001 |
| RG Type:                              | 213/U                   |

**Flame Test**

|                |      |
|----------------|------|
| UL Flame Test: | VW-1 |
|----------------|------|

**Plenum/Non-Plenum**

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

| Impedance (Ohm) |
|-----------------|
| 50              |

**Nom. Inductance:**

| Inductance (μH/m) |
|-------------------|
| 0.252637          |

**Nom. Capacitance Conductor to Shield:**

| Capacitance (pF/m) |
|--------------------|
| 101.055            |

**Nominal Velocity of Propagation:**

| VP (%) |
|--------|
| 66     |

**Nominal Delay:**

| Delay (ns/m) |
|--------------|
| 5.05274      |

**Nom. Conductor DC Resistance:**

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 5.5777              |

**Nominal Outer Shield DC Resistance:**

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 3.9372              |

**Nom. Attenuation:**

| Freq. (MHz) | Attenuation (dB/100m) |
|-------------|-----------------------|
| 1           | 0.88587               |
| 10          | 1.80455               |
| 50          | 4.2653                |
| 100         | 6.2339                |
| 200         | 8.8587                |
| 400         | 13.4521               |
| 700         | 21.3265               |
| 900         | 24.9356               |
| 1000        | 26.248                |
| 4000        | 70.5415               |

**Max. Power Rating:**

| Freq. (MHz) | Rating (W) |
|-------------|------------|
| 1           | 7950       |
| 10          | 2761       |
| 50          | 1122       |
| 100         | 748        |

## METRIC MEASUREMENT VERSION

## 8267 Coax - 50 Ohm Cable

|      |     |
|------|-----|
| 200  | 494 |
| 400  | 326 |
| 700  | 235 |
| 900  | 205 |
| 1000 | 194 |
| 4000 | 110 |

**Max. Operating Voltage - UL:**

| Voltage   | Description       |
|-----------|-------------------|
| 30 V RMS  | UL AWM Style 1354 |
| 300 V RMS | NEC               |

**Max. Operating Voltage - Non-UL:**

| Voltage               |
|-----------------------|
| 3700 V RMS (MIL-SPEC) |

**Misc. Information (Overall)****Notes (Overall)**

**Notes:** Non-SWR swept version of RG-213.

**Put Ups and Colors:**

| Item #       | Putup  | Ship Weight | Color | Notes | Item Desc          |
|--------------|--------|-------------|-------|-------|--------------------|
| 8267 0101000 | 305 MT | 53.071 KG   | BLACK | C     | M17-163-00001 COAX |
| 8267 010500  | 152 MT | 26.989 KG   | BLACK | C     | M17-163-00001 COAX |

**Notes:**

C = CRATE REEL PUT-UP.

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