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## General Description:

22 AWG stranded (7x30) .030" bare copper conductor, foam polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (mm) |
|--------|-----|-----------|--------------------|-----------|
| 1      | 22  | 7x30      | BC - Bare Copper   | 0.762     |

Total Number of Conductors: 1

### Insulation

Insulation Material:

| Insulation Material     | Dia. (mm) |
|-------------------------|-----------|
| FPE - Foam Polyethylene | 3.7084    |

### Outer Shield

Outer Shield Material:

| Type  | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | BC - Bare Copper      | 95           |

### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    |
|--------------------------|
| PVC - Polyvinyl Chloride |

### Overall Cable

Overall Nominal Diameter: 6.121 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 49.111 Kg/Km

Max. Recommended Pulling Tension: 289.133 N

Min. Bend Radius/Minor Axis: 63.500 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

AWM Specification: UL Style 1354

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): | 01/01/2004 |
| 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        |
| RG Type:                              | 59/U       |

### Flame Test

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

### Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

### Plenum/Non-Plenum

|                |                |
|----------------|----------------|
| Plenum (Y/N):  | No             |
| Plenum Number: | 89259 or 82259 |

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

#### Impedance (Ohm)

75

### Nom. Inductance:

#### Inductance (µH/m)

0.29529

### Nom. Capacitance Conductor to Shield:

#### Capacitance (pF/m)

56.7613

### Nominal Velocity of Propagation:

#### VP (%)

78

### Nominal Delay:

#### Delay (ns/m)

4.2653

### Nom. Conductor DC Resistance:

#### DCR @ 20°C (Ohm/km)

49.215

### Nominal Outer Shield DC Resistance:

#### DCR @ 20°C (Ohm/km)

8.5306

### Nom. Attenuation:

#### Freq. (MHz) Attenuation (dB/100m)

|      |         |
|------|---------|
| 1    | 0.9843  |
| 5    | 2.13265 |
| 10   | 2.9529  |
| 50   | 6.8901  |
| 100  | 9.843   |
| 200  | 14.7645 |
| 400  | 21.6546 |
| 700  | 29.2009 |
| 900  | 33.1381 |
| 1000 | 35.7629 |

### Max. Operating Voltage - UL:

#### Voltage

300 V RMS

## Notes (Overall)

**Notes:** For CCTV Applications.

## Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color | Notes | Item Desc           |
|---------------|----------|-------------|-------|-------|---------------------|
| 9259 010U1000 | 1,000 FT | 35.000 LB   | BLACK |       | #22 PE RG 59/U TYPE |
| 9259 010U500  | 500 FT   | 18.000 LB   | BLACK |       | #22 PE RG 59/U TYPE |
| 9259 010100   | 100 FT   | 4.100 LB    | BLACK |       | #22 PE RG 59/U TYPE |
| 9259 0101000  | 1,000 FT | 37.000 LB   | BLACK | C     | #22 PE RG 59/U TYPE |
| 9259 0101200  | 1,200 FT | 0.000       | BLACK |       | #22 PE RG 59/U TYPE |
| 9259 0101500  | 1,500 FT | 54.000 LB   | BLACK |       | #22 PE RG 59/U TYPE |
| 9259 010500   | 500 FT   | 18.500 LB   | BLACK | C     | #22 PE RG 59/U TYPE |
| 9259 0105000  | 5,000 FT | 180.000 LB  | BLACK | C     | #22 PE RG 59/U TYPE |

**Notes:**

C = CRATE REEL PUT-UP.

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