# Detailed Specifications & Technical Data

**METRIC MEASUREMENT VERSION**

**9259 Coax - 75 Ohm Coax**



For more Information
please call

1-800-Belden1

## 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 |

### 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 Cabling

| | |
|---|---|
| **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 (Install)/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 (30 V 80°C) |
| **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 |
| **Suitability - Outdoor:** | 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.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---|---|---|---|---|---|
| 9259 010U1000 | 305 MT | 15.876 KG | BLACK | | #22 PE RG 59/U TYPE |
| 9259 010U500 | 152 MT | 8.165 KG | BLACK | | #22 PE RG 59/U TYPE |
| 9259 010100 | 30 MT | 1.860 KG | BLACK | | #22 PE RG 59/U TYPE |
| 9259 0101000 | 305 MT | 16.783 KG | BLACK | C | #22 PE RG 59/U TYPE |
| 9259 010500 | 152 MT | 7.484 KG | BLACK | C | #22 PE RG 59/U TYPE |

**Notes:**
C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007


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