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1-800-Belden1



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. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1 | 22 | 7x30 | BC - Bare Copper | .030 |

Total Number of Conductors: 1

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|-------------------------|------------|
| FPE - Foam Polyethylene | .146 |

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: 0.241 in.

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 33 lbs/1000 ft.

Max. Recommended Pulling Tension: 65 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

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/ft)
.09

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
17.3

Nominal Velocity of Propagation:

VP (%)
78

Nominal Delay:

Delay (ns/ft)
1.3

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.6

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | .30 |
| 5 | .65 |
| 10 | .90 |
| 50 | 2.1 |
| 100 | 3.0 |
| 200 | 4.5 |
| 400 | 6.6 |
| 700 | 8.9 |
| 900 | 10.1 |
| 1000 | 10.9 |

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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