

9268 Coax - 93 Ohm

For more Information
please call

1-800-Belden1



General Description:

93 ohm, RG-62A/U type, 22 AWG solid .025" bare copper-covered steel conductor, semi-solid polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (mm) |
|--------|-----|-----------|----------------------------------|-----------|
| 1 | 22 | Solid | BCCS - Bare Copper Covered Steel | 0.635 |

Total Number of Conductors: 1

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) | Dia. (mm) |
|---|---------------------|-----------|
| Semi-Solid PE - Semi-Solid Polyethylene | 0.660 | 3.708 |

Outer Shield

Outer Shield Material:

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

Outer Shield Separator Material: Polyester Tape

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.041 |

Overall Cable

Overall Nominal Diameter: 6.604 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 60°C (UL AWM Style 1478)

Bulk Cable Weight: 59.528 Kg/Km

Max. Recommended Pulling Tension: 373.649 N

Min. Bend Radius/Minor Axis: 69.850 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2, CM

CEC/C(UL) Specification: CM

AWM Specification: UL Style 1478 (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): | 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 |
| Customer Part Number Reference Specification: | IBM P/N 5252750 |
| RG Type: | 62A/U |

Flame Test

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

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

93

Nom. Inductance:

Inductance (µH/m)

0.380596

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

44.2935

Nominal Velocity of Propagation:

VP (%)

84

Nominal Delay:

Delay (ns/m)

3.97001

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

135.177

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

9.5149

Nom. Attenuation:

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

| | |
|------|---------|
| 1 | 0.9843 |
| 10 | 2.9529 |
| 50 | 6.2339 |
| 100 | 8.8587 |
| 200 | 12.4678 |
| 400 | 17.3893 |
| 700 | 23.9513 |
| 900 | 26.9042 |
| 1000 | 28.5447 |

Max. Operating Voltage - UL:

| Voltage | Description |
|-----------|-------------------|
| 300 V RMS | CM |
| 30 V RMS | UL AWM Style 1478 |
| 150 V RMS | CL2 |

Max. Operating Voltage - Non-UL:

| |
|----------------|
| Voltage |
| 750 V RMS |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|--------|-------------|-------|-------|--------------------|
| 9268 010U1000 | 305 MT | 19.051 KG | BLACK | | RG-62A/U TYPE COAX |
| 9268 0101000 | 305 MT | 19.958 KG | BLACK | C | RG-62A/U TYPE COAX |
| 9268 010500 | 152 MT | 9.979 KG | BLACK | C | RG-62A/U TYPE COAX |

Notes:

C = CRATE REEL PUT-UP.

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