

82269 Coax - 93 Ohm Coax

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|   | <p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> |
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Description:

RG-62/U type, 22 AWG solid .025" bare copper-covered steel conductor, plenum, semi-solid FEP insulation, bare copper braid shield (94% coverage), Flamarrest® low-smoke jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| | |
|----------------------------|----------------------------------|
| Number of Coax | 1 |
| Total Number of Conductors | 1 |
| RG Type | 62/U |
| AWG | 22 |
| Stranding | Solid |
| Conductor Diameter | .025 in. |
| Conductor Material | BCCS - Bare Copper Covered Steel |

INSULATION:

| | |
|--------------------------------|--|
| Insulation Material Trade Name | Teflon® |
| Insulation Material | Semi-Solid FEP - Semi-Solid Fluorinated Ethylene-Propylene |
| Insulation Diameter | .142 in. |

OUTER SHIELD:

| | |
|-------------------------|------------------|
| Outer Shield Type | Braid |
| Outer Shield Material | BC - Bare Copper |
| Outer Shield % Coverage | 94 % |

OUTER JACKET:

| | |
|----------------------------------|---------------------------------------|
| Outer Jacket Material Trade Name | Flamarrest® |
| Outer Jacket Material | LS PVC - Low Smoke Polyvinyl Chloride |

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .200 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

| | |
|----------------------------------|-----------------|
| Operating Temperature Range | 0°C To +75°C |
| UL Temperature Rating | 75°C |
| Bulk Cable Weight | 35 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 65 lbs. |

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Min. Bend Radius (Install) 2.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification | CMP |
| CEC/C(UL) Specification | CMP |
| EU CE Mark (Y/N) | No |
| EU RoHS Compliant (Y/N) | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2006 |

FLAME TEST:

| | |
|------------------|----------|
| UL Flame Test | NFPA 262 |
| C(UL) Flame Test | FT6 |

SUITABILITY:

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

PLENUM/NON-PLENUM:

| | |
|-------------------|------|
| Plenum (Y/N) | Y |
| Non-Plenum Number | 9269 |

ELECTRICAL CHARACTERISTICS:

| | |
|---|-------------------|
| Nom. Characteristic Impedance | 93 Ohms |
| Nom. Inductance | 0.107 μ H/ft |
| Nom. Capacitance Conductor to Shield | 12.8 pF/ft |
| Nominal Velocity of Propagation | 85 % |
| Nominal Delay | 1.20 ns/ft |
| Nom. Conductor DC Resistance @ 20 Deg. C | 41.2 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20 Deg.C | 3.4 Ohms/1000 ft |
| Nom. Attenuation : | |

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Nom. Attenuation (dB/100 ft.) |
|-------------|-----------------|-----------------------|----------------------|-------------------------------|
| | 1 | | | 0.3 |
| | 10 | | | 0.9 |
| | 50 | | | 1.9 |
| | 100 | | | 2.7 |
| | 200 | | | 3.8 |
| | 400 | | | 5.3 |
| | 700 | | | 7.3 |
| | 900 | | | 8.2 |
| | 1000 | | | 8.7 |

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|-----------------------------|-----------|
| Max. Operating Voltage - UL | 300 V RMS |
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NOTES:

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Notes

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PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|---------------|----------------------------|--------------|--------------------|--------------|-------|
| 82269 8771000 | #22 COAX RG62A/U FLMRST | 1000 | 30 | NATURAL | C |

C = CRATE REEL PUT-UP.

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