

8262 Coax - 50 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:

20 AWG stranded (19x33) .035" tinned copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), non-contaminating PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| | |
|----------------------------|--------------------|
| Number of Coax | 1 |
| Total Number of Conductors | 1 |
| RG Type | 58C/U |
| AWG | 20 |
| Stranding | 19x33 |
| Conductor Diameter | .035 in. |
| Conductor Material | TC - Tinned Copper |

INSULATION:

| | |
|---------------------|-------------------|
| Insulation Material | PE - Polyethylene |
| Insulation Diameter | .115 in. |

OUTER SHIELD:

| | |
|-------------------------|--------------------|
| Outer Shield Type | Braid |
| Outer Shield Material | TC - Tinned Copper |
| Outer Shield % Coverage | 95 % |

OUTER JACKET:

| | |
|-----------------------|--|
| Outer Jacket Material | PVCNC - Polyvinyl Chloride Non-Contaminating |
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OVERALL NOMINAL DIAMETER:

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|--------------------------|----------|
| Overall Nominal Diameter | .195 in. |
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MECHANICAL CHARACTERISTICS:

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|----------------------------------|-----------------|
| Operating Temperature Range | -40°C To +85°C |
| UL Temperature Rating | 85°C |
| Bulk Cable Weight | 24 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 42 lbs. |
| Min. Bend Radius (Install) | 2 in. |

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

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APPLICABLE STANDARDS:

| | |
|---------------------------------------|--------------------------|
| EU CE Mark (Y/N) | Yes |
| EU RoHS Compliant (Y/N) | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 10/01/2005 |
| Military Specification | MIL-C-17G, M17/155-00001 |

PLENUM/NON-PLENUM:

| | |
|--------------|---|
| Plenum (Y/N) | N |
|--------------|---|

ELECTRICAL CHARACTERISTICS:

| | |
|---|-------------------|
| Nom. Characteristic Impedance | 50 Ohms |
| Nom. Inductance | .077 μ H/ft |
| Nom. Capacitance Conductor to Shield | 30.8 pF/ft |
| Nominal Velocity of Propagation | 66 % |
| Nominal Delay | 1.54 ns/ft |
| Nom. Conductor DC Resistance @ 20 Deg. C | 10.8 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20°C | 4.1 Ohms/1000 ft |

Nom. Attenuation :

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Nom. Attenuation (dB/100 ft.) |
|-------------|-----------------|-----------------------|----------------------|-------------------------------|
| | 1 | | | .4 |
| | 10 | | | 1.4 |
| | 50 | | | 3.3 |
| | 100 | | | 4.9 |
| | 200 | | | 7.3 |
| | 400 | | | 11.5 |
| | 700 | | | 17.0 |
| | 900 | | | 20.0 |
| | 1000 | | | 21.5 |

| | |
|---------------------------------|------------|
| Max. Operating Voltage - Non-UL | 1400 V RMS |
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NOTES:

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| Notes | Non-SWR swept version of RG-58. |
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PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|---------------|----------------|--------------|--------------------|--------------|-------|
| 8262 0101000 | MIL-C-17G COAX | 1000 | 25 | BLACK | C |
| 8262 010500 | MIL-C-17G COAX | 500 | 12.5 | BLACK | C |
| 8262 010U1000 | MIL-C-17G COAX | U1000 | 26 | BLACK | |
| 8262 010U500 | MIL-C-17G COAX | U500 | 13.5 | BLACK | |

C = CRATE REEL PUT-UP.

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