

9117M Coax - CATV Cable

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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:

Series 6, 18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II + aluminum braid shield (60% coverage), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| | |
|----------------------------|----------------------------------|
| Number of Coax | 1 |
| Total Number of Conductors | 1 |
| Series Type | Series 6 |
| AWG | 18 |
| Stranding | Solid |
| Conductor Diameter | .040 in. |
| Conductor Material | BCCS - Bare Copper Covered Steel |

INSULATION:

| | |
|---------------------|--------------------------------------|
| Insulation Material | Gas-injected FPE - Foam Polyethylene |
| Insulation Diameter | .180 in. |

OUTER SHIELD:

| | |
|----------------------------------|-------------|
| Outer Shield Material Trade Name | Duobond® II |
| Outer Shield Type | Tape/Braid |

Outer Shield Material :

| Layer Number | Trade Name | Type | Material | % Coverage (%) |
|--------------|-----------------|-------|---|----------------|
| 1 | Bonded Duofoil® | Tape | Bonded Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 2 | | Braid | AL - Aluminum | 60 |

| | |
|-------------------------|-------|
| Outer Shield % Coverage | 100 % |
|-------------------------|-------|

OUTER JACKET:

| | |
|-----------------------|--------------------------|
| Outer Jacket Material | PVC - Polyvinyl Chloride |
|-----------------------|--------------------------|

MESSENGER:

| | |
|--------------------|------------------|
| Messenger Diameter | .051 in. |
| Messenger Material | Galvanized Steel |



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OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|-----------------|
| Overall Nominal Diameter | .270 x .410 in. |
|--------------------------|-----------------|

MECHANICAL CHARACTERISTICS:

| | |
|----------------------------------|-----------------|
| Operating Temperature Range | -40°C To +80°C |
| Bulk Cable Weight | 42 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 110 lbs. |
| Min. Bend Radius (Install) | 3 in. |

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

| | |
|---------------------------------------|------------|
| EU CE Mark (Y/N) | No |
| EU RoHS Compliant (Y/N) | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |

SWEEP TEST:

| | |
|---------------|---------------|
| Sweep Testing | 5 MHz - 1 GHz |
|---------------|---------------|

PLENUM/NON-PLENUM:

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

ELECTRICAL CHARACTERISTICS:

| | |
|---|-------------------|
| Nom. Characteristic Impedance | 75 +/-3 Ohms |
| Nom. Inductance | .097 µH/ft |
| Nom. Capacitance Conductor to Shield | 16.2 pF/ft |
| Nominal Velocity of Propagation | 83 % |
| Nominal Delay | 1.2 ns/ft |
| Nom. Conductor DC Resistance @ 20 Deg. C | 28.0 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20°C | 9 Ohms/1000 ft |

Minimum Structural Return Loss :

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Minimum Structural Return Loss (dB) |
|-------------|-----------------|-----------------------|----------------------|-------------------------------------|
| | | 5 | 1000 | 20 |

Max. Attenuation :

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| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Max. Attenuation (dB/100 ft.) |
|-------------|-----------------|-----------------------|----------------------|-------------------------------|
| | 5 | | | 0.67 |
| | 55 | | | 1.60 |
| | 211 | | | 2.87 |
| | 270 | | | 3.24 |
| | 300 | | | 3.43 |
| | 350 | | | 3.72 |
| | 400 | | | 4.00 |
| | 450 | | | 4.26 |
| | 550 | | | 4.71 |
| | 750 | | | 5.59 |
| | 870 | | | 6.00 |
| | 1000 | | | 6.54 |

Max. Operating Voltage - Non-UL 350 V RMS

PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|---------------|-------------------------------|--------------|--------------------|--------------|-------|
| 9117M 0101000 | #18 GIFHDLDP SH PVC W/MSGR | 1000 | 44 | BLACK | |

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