

89120 Coax - CATV Cable



For more information please
call

1-800-Belden1

See Put-ups and Colors

Description:

18 AWG solid .040" bare copper-covered steel conductor, foam FEP insulation, Duofoil® (100% coverage) plus a tinned copper braid shield (95% coverage), FEP 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 | FFEP - Foam Fluorinated Ethylene Propylene |
| Insulation Diameter | .170 in. |

OUTER SHIELD:

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

Outer Shield Material :

| Layer Number | Trade Name | Type | Material | % Coverage (%) |
|--------------|------------|-------|--|----------------|
| 1 | Duofoil® | Tape | Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 2 | | Braid | TC - Tinned Copper | 95 |

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

OUTER JACKET:

| | |
|-----------------------|--------------------------------------|
| Outer Jacket Material | FEP - Fluorinated Ethylene Propylene |
|-----------------------|--------------------------------------|

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .234 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

| | |
|-----------------------------|-----------------|
| Operating Temperature Range | -70°C To +200°C |
| Bulk Cable Weight | 44 lbs/1000 ft. |

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| | |
|----------------------------------|----------|
| Max. Recommended Pulling Tension | 141 lbs. |
| Min. Bend Radius (Install) | 2.3 in. |

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification | CATVP, 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): | 04/01/2005 |

FLAME TEST:

| | |
|----------------|----------|
| UL Flame Test | NFPA 262 |
| CSA Flame Test | FT6 |

PLENUM/NON-PLENUM:

| | |
|---------------|--------------|
| Plenum (Y/N) | Y |
| Plenum Number | 87120, 82120 |

ELECTRICAL CHARACTERISTICS:

| | |
|---|-------------------|
| Nom. Characteristic Impedance | 75 Ohms |
| Nom. Inductance | .09 μ H/ft |
| Nom. Capacitance Conductor to Shield | 16.5 pF/ft |
| Nominal Velocity of Propagation | 82 % |
| Nominal Delay | 1.24 ns/ft |
| Nom. Conductor DC Resistance @ 20 Deg. C | 28.0 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20 Deg.C | 1.7 Ohms/1000 ft |

Minimum Structural Return Loss :

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Minimum Structural Return Loss (dB) |
|-------------|-----------------|-----------------------|----------------------|-------------------------------------|
| | | 5 | 400 | 20 |

Nom. Attenuation :

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Nom. Attenuation (dB/100 ft.) |
|-------------|-----------------|-----------------------|----------------------|-------------------------------|
| | 1 | | | .3 |
| | 10 | | | .66 |
| | 50 | | | 1.6 |
| | 100 | | | 2.2 |
| | 200 | | | 3.0 |
| | 400 | | | 4.6 |
| | 700 | | | 6.6 |
| | 900 | | | 7.7 |
| | 1000 | | | 8.2 |

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

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PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|---------------|-----------------|--------------|--------------------|--------------|-------|
| 89120 0101000 | #18 FFEP SH FEP | 1000 | 46 | BLACK | C |
| 89120 010500 | #18 FFEP SH FEP | 500 | 21.5 | BLACK | C |

C = CRATE REEL PUT-UP.

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