

89120 Coax - CATV Cable



For more Information
please call

1-800-Belden1

**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 (Overall)**Conductor****AWG:**

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|----------------------------------|------------|
| 1 | 18 | Solid | BCCS - Bare Copper Covered Steel | .040 |

Insulation**Insulation Material:**

| Insulation Material | Dia. (in.) |
|--|------------|
| FFEP - Foam Fluorinated Ethylene Propylene | .170 |

Outer Shield**Outer Shield Material:**

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

Outer Jacket**Outer Jacket Material:**

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

Overall Cable

Overall Nominal Diameter: 0.234 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Bulk Cable Weight: 43 lbs/1000 ft.

Max. Recommended Pulling Tension: 141 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.300 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CATVP, CMP

CEC/C(UL) Specification: CMP

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): 04/01/2005

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 |
|-----------------------------|-----|

| | |
|--------------|----------|
| Series Type: | Series 6 |
|--------------|----------|

Flame Test

| | |
|----------------|----------|
| UL Flame Test: | NFPA 262 |
|----------------|----------|

| | |
|-----------------|-----|
| CSA Flame Test: | FT6 |
|-----------------|-----|

Plenum/Non-Plenum

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

| | |
|----------------|--------------|
| Plenum Number: | 87120, 82120 |
|----------------|--------------|

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

| |
|-----------------|
| Impedance (Ohm) |
|-----------------|

| |
|----|
| 75 |
|----|

Nom. Inductance:

| |
|--------------------|
| Inductance (µH/ft) |
|--------------------|

| |
|-----|
| .09 |
|-----|

Nom. Capacitance Conductor to Shield:

| |
|---------------------|
| Capacitance (pF/ft) |
|---------------------|

| |
|------|
| 16.5 |
|------|

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
|--------|

| |
|----|
| 82 |
|----|

Nominal Delay:

| |
|---------------|
| Delay (ns/ft) |
|---------------|

| |
|------|
| 1.24 |
|------|

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|

| |
|------|
| 28.0 |
|------|

Nominal Outer Shield DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|

| |
|-----|
| 1.7 |
|-----|

Nom. Attenuation:

| Freq. (MHz) | 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:

| |
|---------|
| Voltage |
|---------|

| |
|-----------|
| 300 V RMS |
|-----------|

Minimum Structural Return Loss:

| Description | Freq. (MHz) | Start Freq. (MHz) | Stop Freq. (MHz) | Min. SRL (dB) |
|-------------|-------------|-------------------|------------------|---------------|
|-------------|-------------|-------------------|------------------|---------------|

| | | | | |
|--|--|---|-----|----|
| | | 5 | 400 | 20 |
|--|--|---|-----|----|

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------|-------|-----------------|
| 89120 0101000 | 1,000 FT | 46.000 LB | BLACK | C | #18 FFEP SH FEP |
| 89120 010500 | 500 FT | 21.500 LB | BLACK | C | #18 FFEP SH FEP |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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