

1530AP Coax - CATV Cable

For more Information
please call

1-800-Belden1

**Description:**

Series 6, 18 AWG solid .040" bare copper-covered steel conductor, plenum, foam FEP insulation, Duobond® II + aluminum braid shield (90% coverage), Flamarrest® 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 Trade Name | Insulation Material | Dia. (in.) |
|-----------------------|--|------------|
| Teflon® | FFEP - Foam Fluorinated Ethylene Propylene | .170 |

Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|---|--------------|
| 1 | Bonded Duofoil® | Tape | Bonded Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 2 | | Braid | AL - Aluminum | 90 |

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 0.235 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

Bulk Cable Weight: 27 lbs/1000 ft.

Max. Recommended Pulling Tension: 162 lbs.

Min. Bend Radius (Install)/Minor Axis: 3 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 |
|---------------|-----|

| | |
|--------------------|-------|
| Non-Plenum Number: | 1530A |
|--------------------|-------|

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

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

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

Nom. Inductance:

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

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

Nom. Capacitance Conductor to Shield:

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

| |
|------|
| 16.3 |
|------|

Nominal Velocity of Propagation:

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

| |
|----|
| 83 |
|----|

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) |
|--------------------------|

| |
|---|
| 5 |
|---|

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
|-------------|--------------------------|

| | |
|---|----|
| 1 | .3 |
|---|----|

| | |
|----|----|
| 10 | .7 |
|----|----|

| | |
|----|-----|
| 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 | 1000 | 20 |
|--|--|---|------|----|

Notes (Overall)

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Notes: Sweep tested 5 MHz to 1 GHz. Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|---------|-------|----------------------|
| 1530AP 8771000 | 1,000 FT | 31.000 LB | NATURAL | C | #18 FFEP RG6/U FLRST |

Notes:

C = CRATE REEL PUT-UP.

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