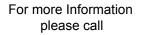
Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

1530A Coax - CATV Cable



1-800-Belden1



Description:

Series 6, 18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II + aluminum braid shield (90% coverage), PVC jacket.

| Physical Characteristics (Overall) | | | |
|---|--------------------------------------|--------------|--|
| Conductor AWG: | | | |
| # Coax AWG Stranding Conductor Material | Dia. (in.) | | |
| 1 18 Solid BCCS - Bare Copper Covered St | eel .040 | | |
| Insulation | | | |
| Insulation Material: | | | |
| Insulation Material Dia. (in.) | | | |
| Gas-injected FPE - Foam Polyethylene .180 | | | |
| Outer Shield Outer Shield Material: | | | |
| Layer # Outer Shield Trade Name Type Outer Shield N | aterial | Coverage (%) | |
| | um Foil-Polyester Tape-Aluminum Foil | | |
| 2 Braid AL - Aluminum | | 90 | |
| Outer Jacket | | | |
| Outer Jacket Material: | | | |
| Outer Jacket Material PVC - Polyvinyl Chloride | | | |
| Overall Cabling | | | |
| Overall Nominal Diameter: | 0.270 in. | | |
| | | | |
| Mechanical Characteristics (Overall) | | | |
| Operating Temperature Range: | -40°C To +80°C | | |
| UL Temperature Rating: | 80°C | | |
| Bulk Cable Weight: | 29 lbs/1000 ft. | | |
| Max. Recommended Pulling Tension: | 162 lbs. | | |
| Min. Bend Radius (Install)/Minor Axis: | 3 in. | | |
| Applicable Specifications and Agency Com | oliance (Overall) | | |
| Applicable Standards & Environmental Program | IS | | |
| NEC/(UL) Specification: | CATV, CM | | |
| CEC/C(UL) Specification: | СМ | | |
| 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): | 01/01/2004 | | |
| EU Directive 2002/96/EC (WEEE): | Yes | | |
| | | | |

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1530A Coax - CATV Cable

| EU Di | rective 2003/11/EC (BFF | R): | Yes |
|------------------------|--|--------------------------------|--------------------------|
| | rop 65 (CJ for Wire & Ca | - | Yes |
| | rder #39 (China RoHS): | -, | Yes |
| | | | Series 6 |
| | s Type: | | Series 6 |
| Flame Te | | | |
| | ame Test: | | UL1685 UL Lo |
| | Non-Plenum | | |
| Plenu | ım (Y/N): | | No |
| Plenu | m Number: | | 1530AP |
| Electrico | Characteristics (| | |
| | I Characteristics (C racteristic Impedance: | Jverall) | |
| | nce (Ohm) Tolerance (Ohm | IS) | |
| 75 | ± 3 | | |
| Nom. Indu | ictance: | | |
| | nce (µH/ft) | | |
| .097 | | | |
| | acitance Conductor to | Shield | |
| | ance (pF/ft) | Silleiu. | |
| 16.2 | | | |
| | | | |
| | /elocity of Propagation: | | |
| VP (%) 83 | | | |
| | Na laun | | |
| Nominal E | | | |
| Delay (n 1.2 | is/ft) | | |
| | | | |
| | ductor DC Resistance: | | |
| DCR @ | 20°C (Ohm/1000 ft) | | |
| | Jutor Shield DC Desist | 2001 | |
| | Duter Shield DC Resista | ince: | |
| DCR @ | 20°C (Ohm/1000 ft) | | |
| | | | |
| Max. Atter | 1 | | |
| Freq. (M | IHz) Attenuation (dB/100 ft | .) | |
| 5 | 0.67 | - | |
| 211 | 2.87 | - | |
| 270 | 3.24 | - | |
| 300 | 3.43 | - | |
| 350 | 3.72 | | |
| 400 | 4.00 | | |
| 450 | 4.26 | _ | |
| 550 750 | 4.71 5.59 | - | |
| 750 870 | 6.00 | - | |
| 1000 | 6.54 | - | |
| | | | |
| | rating Voltage - UL: | | |
| Voltage 350 V R | | | |
| | | | |
| | Structural Return Loss: | | |
| Descrip | tion Freq. (MHz) Start Free 5 | q. (MHz) Stop Freq. (N 1000 | (Hz) Min. SRL (dB) 20 |
| 1 | ບ | 1000 | 140 |

20

5



Sweep Test

Sweep Testing:

5 MHz - 1 GHz

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|----------------|-------|-------------------------|
| 1530A Q5HU1000 | 1,000 FT | 30.000 LB | WHITE, NEUTRAL | | #18 GIFHDLDPE SH FR PVC |
| 1530A Q5H1000 | 1,000 FT | 31.000 LB | WHITE, NEUTRAL | | #18 GIFHDLDPE SH FR PVC |
| 1530A 010U1000 | 1,000 FT | 30.000 LB | BLACK | | #18 GIFHDLDPE SH FR PVC |
| 1530A 0101000 | 1,000 FT | 31.000 LB | BLACK | | #18 GIFHDLDPE SH FR PVC |

Revision Number: 2 Revision Date: 04-25-2008

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