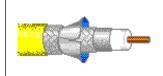


9880 Coax - Coaxial Cable - Thicknet 10Base5 Ethernet





For more information please call 1-800-Belden1

See Put-ups and Colors

Description:

12 AWG solid .086" bare copper conductor, foam polyethylene insulation, Duobond IV® quad shield (100% coverage), PVC jacket.

SUITABLE APPLICATIONS:

Suitable Applications Thick Ethernet

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| Number of Coax | 1 |
|----------------------------|------------------|
| Total Number of Conductors | 1 |
| AWG | 12 |
| Stranding | Solid |
| Conductor Diameter | .086 in. |
| Conductor Material | BC - Bare Copper |

INSULATION:

| Insulation Material | FPE - Foam Polyethylene |
|---------------------|-------------------------|
| Insulation Diameter | .243 in. |

OUTER SHIELD:

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

Outer Shield Material:

| Layer Number | Trade Name | Туре | Material | % Coverage (%) |
|--------------|-----------------|-------|--|----------------|
| 1 | Bonded Duofoil® | I | Bonded Aluminum Foil- Polyester Tape-Aluminum Foil | 100 |
| 2 | | Braid | TC - Tinned Copper | 94 |
| 3 | Duofoil® | Tape | Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 4 | | Braid | TC - Tinned Copper | 90 |

Outer Shield %Coverage 100 %

OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:



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| Overall Nominal Diameter | .405 in. |
|----------------------------------|--------------------------|
| MECHANICAL CHARACTERISTICS: | |
| Operating Temperature Range | -40°C To +60°C |
| UL Temperature Rating | 60°C (UL AWM Style 1478) |
| Bulk Cable Weight | 113 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 255 lbs. |

4 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

Min. Bend Radius (Install)

| NEC/(UL) Specification | CM, CL2 |
|--|---------------------------|
| CEC/C(UL) Specification | CM |
| AWM Specification | UL Style 1478 (30 V 60°C) |
| IEEE Specification | IEEE802.3 10Base5 |
| IEC Specification | ISO8802.3 10Base5 |
| EU CE Mark (Y/N) | Yes |
| EU RoHS Compliant (Y/N) | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |
| Customer Part Number Reference Specification | DEC Part No. 17-00451-00 |

FLAME TEST:

UL Flame Test UL1685 UL Loading

PLENUM/NON-PLENUM:

 Plenum (Y/N)
 N

 Plenum Number
 89880

ELECTRICAL CHARACTERISTICS:

| Nom. Characteristic Impedance | 50 +/- 2 Ohms |
|---|-------------------|
| Nom. Inductance | $.065~\mu H/ft$ |
| Nom. Capacitance Conductor to Shield | 26.0 pF/ft |
| Nominal Velocity of Propagation | 78 % |
| Nominal Delay | 1.3 ns/ft |
| Nom. Conductor DC Resistance @ 20 Deg. C | 1.42 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20 Deg.C | 1.52 Ohms/1000 ft |
| Max. Attenuation: | |



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| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Max. Attenuation (dB/100 ft.) |
|-------------|-----------------|-----------------------|----------------------|-------------------------------|
| | 1 | | | .19 |
| | 5 | | | .37 |
| | 10 | | | .52 |
| | 50 | | | 1.2 |
| | 100 | | | 1.7 |
| | 200 | | | 2.55 |
| | 400 | | | 3.9 |
| | 700 | | | 5.5 |
| | 900 | | | 6.5 |
| | 1000 | | | 6.9 |
| | 1500 | | | 8.5 |
| | 2000 | | | 10.1 |
| | 2500 | | | 11.5 |
| | 3000 | | | 13.0 |

Max. Operating Voltage - UL

300 V RMS, 30 V RMS (UL AWM Style 1478)

Max. Operating Voltage - Non-UL

300 V RMS

NOTES:

Notes Ringband stripes every 2.5 meters to aid users in tap placement.

PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|--------------|---------------------------|--------------|--------------------|--------------|-------|
| 9880 0041000 | 11H 50 OHM TRUNK CABLE | 1000 | 131 | YELLOW | С |
| 9880 0041640 | 11H 50 OHM TRUNK CABLE | 1640 | 219.76 | YELLOW | С |
| 9880 004500 | 11H 50 OHM TRUNK CABLE | 500 | 66 | YELLOW | С |

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 07-17-2006

Detailed Specifications & Technical Data



9880 Coax - Coaxial Cable - Thicknet 10Base5 Ethernet

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