

DUAL SHIELD DIRECT BURIAL COAXIAL CABLE

9/28/06 REV 1.0

RG6 18 AWG 1C Solid BCCS



PART NUMBER: 181DD

DESCRIPTION: 18 AWG 1 CONDUCTOR SOLID BARE COPPER COVERED STEEL, GAS INJECTED FOAM PE DIELECTRIC, 100% BONDED ALUMINUM FOIL/POLYESTER TAPE, 60% ALUMINUM BRAID, SUITABLE FOR BROADBAND CATV CABLE. DIRECT BURIAL / SUNLIGHT RESISTANT

PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -55°C TO + 80°C
CONDUCTOR MATERIAL & DIA.: 18 AWG SOLID COPPER COVERED STEEL, .04"
INSULATION MATERIAL & DIA.: GAS-INJECTED FOAM PE, .18"
SHIELD TYPE & % COVERAGE: AL FOIL/POLYESTER TAPE, 100% BONDED ALUMINUM BRAID, 60%
OUTER SHIELD FLOODING GREASE: YES
JACKET MATERIAL & THICKNESS: POLYETHYLENE, .027"
JACKET COLOR: BLACK
OUTSIDE DIAMETER: .27"
FOOTAGE MARKERS: ASCENDING/DESCENDING IN FEET
MAXIMUM PULLING TENSION: 126 LBS.
MINIMUM BEND RADIUS: 3"
PACKAGING: REEL
SHIPPING WEIGHT: 27 LBS./1000 FT.

ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 350V
IMPEDANCE: 75 OHM
NOM. INDUCTANCE: .097 uH/FT
NOM. CAPACITANCE CONDUCTOR TO SHIELD: 16.2 pF/FT
NOM. VELOCITY OF PROPAGATION: 83%
NOM. DELAY: 1.2 ns/FT
NOM. CONDUCTOR DC RESISTANCE @ 20 DEG.C: 28 OHMS/1000 FT
NOM. SHIELD DC RESISTANCE @ 20 DEG. C: 9 OHMS/1000 FT
RETURN LOSS: 5 dB MIN, 5-1000MHZ

MAX. ATTENUATION:

| | <u>MHZ</u> | <u>DB/100 FT.</u> | <u>MHZ</u> | <u>DB/100 FT.</u> |
|--|------------|-------------------|------------|-------------------|
| | 5 | 0.67 | 400 | 4.00 |
| | 55 | 1.60 | 450 | 4.26 |
| | 211 | 2.87 | 550 | 4.71 |
| | 270 | 3.24 | 750 | 5.59 |
| | 300 | 3.43 | 870 | 6.00 |
| | 350 | 3.72 | 1000 | 6.54 |

NOTES:

1. Footage markers printed every two feet.
2. Foil shield is bonded to the dielectric.
3. While Signature Wire Corp. has made every reasonable effort to ensure the accuracy of these specifications, information contained herein may be subject to error and omission and to change without notice. Signature Wire Corp. provides these specifications on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied.

UL CRITERIA:

UL TYPE OR STYLE:

FLAME RESISTANCE: