

DUAL SHIELD DIRECT BURIAL COAXIAL CABLE

12/13/2006 REV 1.1

RG11 14 AWG 1C Solid BCCS



PART NUMBER: 141DD

DESCRIPTION: 14 AWG 1 CONDUCTOR SOLID, BARE COPPER-COVERED STEEL, GAS-INJECTED FOAM POLYETHYLENE INSULATION, 100% BONDED ALUMINUM FOIL/POLYESTER TAPE, 60% ALUMINUM BRAID, SWEPT TO 1.0 GHz, SUITABLE FOR BROADBAND/CATV, DIRECT BURIAL

PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -50°C TO + 80°C
CONDUCTOR MATERIAL & DIA.: 14 AWG SOLID BARE CCS, .064"
INSULATION MATERIAL & DIA.: GAS-INJECTED FOAM PE, .280"
SHIELD TYPE & % COVERAGE: AL FOIL/POLYESTER TAPE, 100%
ALUMINUM BRAID, 60%
JACKET MATERIAL & THICKNESS: POLYETHYLENE
JACKET COLOR: BLACK, WHITE
OUTSIDE DIAMETER: .40"
FOOTAGE MARKERS: ASCENDING/DESCENDING IN FEET
MAXIMUM PULLING TENSION: 260 LBS.
MINIMUM BEND RADIUS: 4.5"
PACKAGING: REEL
SHIPPING WEIGHT: 46 LBS./1000 FT.

ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 600V
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: 11.0 OHMS/1000 FT
NOM. SHIELD DC RESISTANCE @ 20 DEG. C: 4.1 OHMS/1000 FT
RETURN LOSS: 20 dB MIN, 5-1000MHz

NOM. ATTENUATION:	<u>MHZ</u> <u>DB/100 FT.</u>		<u>MHZ</u> <u>DB/100 FT.</u>	
	5	0.38	400	2.47
	55	0.97	450	2.65
	211	1.81	550	2.94
	270	2.05	750	3.50
	300	2.15	870	3.84
	350	2.32	1000	4.23

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.