

DUAL SHIELD SIAMESE COAXIAL CABLE

8/09/2006 REV. 1.0

RG6 2 X 18 AWG 1C Solid BC



PART NUMBER: 181DS

DESCRIPTION: 2 X 18 AWG 1 CONDUCTOR SOLID BARE COPPER, SIAMESE CONSTRUCTION, GAS INJECTED FOAM PE DIELECTRIC, 100% BONDED ALUMINUM FOIL/POLYESTER TAPE, 60% ALUMINUM BRAID, PVC OVERALL JACKET, SWEEPED TO 2.25 GHz, CM C(UL) CATV

PHYSICAL CHARACTERISTICS (EACH COAX):

TEMPERATURE RATING: -40°C TO +80°C
CONDUCTOR MATERIAL & DIA.: 18 AWG SOLID BARE COPPER, .040"
INSULATION MATERIAL & DIA.: GAS INJECTED FOAM PE, .18"
SHIELD TYPE & % COVERAGE:
1ST LAYER AL FOIL/POLYESTER TAPE, 100% BONDED
2ND LAYER ALUMINUM BRAID, 60%
MIN. BENDING RADIUS: 3.0"
MAX. PULLING TENSION: 252 LBS.
JACKET MATERIAL & THICKNESS: PVC, .029"
JACKET COLOR: BLACK
OUTSIDE DIAMETER: .27" EACH COAX/ .59" TOTAL
FOOTAGE MARKERS: ASCENDING/DESCENDING IN FEET
PACKAGING: REEL
SHIPPING WEIGHT: 57 LBS.

ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 350V RMS
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: 6.4 OHMS/1000'
NOM. SHIELD DC RESISTANCE @ 20 DEG C: 9.0 OHMS/1000'
STRUCTURAL RETURN LOSS: 5-1000 MHZ, 20 dB min

NOM. 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: CM, CATV
FLAME RESISTANCE: UL1581 VERTICAL TRAY