

SPECTRUM HD®-6

6 RG59 (25 AWG) SOLID BC

05/26/2006 REV.1.0



PART NUMBER: RB6SDS

DESCRIPTION: 6 RG59 25 AWG 1 CONDUCTOR SOLID BARE COPPER, FOAM HDPE DIELECTRIC, BONDED FOIL TAPE, 95% TC FRENCH BRAID SHIELD, OVERALL PAPER TAPE, INDIVIDUAL AND OVERALL PVC JACKET, SWEPT TO 4.5GHz, UL/NEC: CM

PHYSICAL CHARACTERISTICS (EACH COAX):

TEMPERATURE RATING: -40 TO +75 DEG. C
CONDUCTOR MATERIAL & DIA.: 25 AWG SOLID BARE COPPER, .0179"
INSULATION MATERIAL & DIA.: FOAM HDPE, .074" NOM.
SHIELD TYPE & % COVERAGE: FOIL TAPE, 100%
 TINNED COPPER FRENCH BRAID, 95%
JACKET MATERIAL (EACH COAX/OVERALL): FLAME RESISTANT PVC
COLOR CODE (EACH COAX): RED, GREEN, BLUE, BLACK, YELLOW, WHITE
JACKET COLOR (OVERALL): BLACK
RIPCORD: YES
OUTSIDE DIAMETER (EACH COAX/OVERALL): .122"/.456" AVG.
FOOTAGE MARKERS: ASCENDING/DESCENDING IN FEET
MAXIMUM PULLING TENSION: 158 LBS
MINIMUM BEND RADIUS (EACH COAX): .90"
MINIMUM BEND RADIUS (OVERALL): 5.0"
PACKAGING: REEL
SHIPPING WEIGHT: 105 LBS./1000 FT.

ELECTRICAL CHARACTERISTICS (EACH COAX):

MAX. OPERATING VOLTAGE: 300V
IMPEDANCE: 75 OHM
NOM. INDUCTANCE: .19 UH/FT
NOM. CAPACITANCE CONDUCTOR TO SHIELD: 17.5 pf/FT
NOM. VELOCITY OF PROPAGATION: 81%
NOM. DELAY: 1.34 NS/FT
NOM. CONDUCTOR DC RESISTANCE @ 20 DEG.C: 32.5 OHMS/1000 FT.
NOM. SHIELD DC RESISTANCE @ 20 DEG. C: 8.5 OHMS/1000FT.
RETURN LOSS: 15 db MIN, 5-3000MHZ

NOM. ATTENUATION:

	<u>MHZ</u>	<u>DB/100 FT.</u>	<u>MHZ</u>	<u>DB/100 FT.</u>
	1	0.57	700	12.99
	5	1.25	1000	15.97
	50	3.52	1500	20.35
	100	4.72	2000	24.40
	450	10.13	3000	32.02

NOTES:

1. Footage markers printed every two feet.
2. Foil shield is bonded to the dielectric.
3. Paper tissue between overall jacket and bundled components.
4. Suitable for indoor and some outdoor applications.
5. 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 expressed, statutory or implied.

UL CRITERIA:

UL TYPE OR STYLE: UL/NEC: CM
FLAME RESISTANCE: UL1581 VERTICAL TRAY