

SPECTRUM HD® ADVANCED

12/13/2006 REV. 1.1

6 RG59 (25 AWG) SOLID BC + 22 AWG 1 PAIR STRANDED TC SHIELDED +
CATEGORY 5E



PART NUMBER: RB6SDS+22/1P+CAT5E

DESCRIPTION: 6 RG59 25 AWG 1 CONDUCTOR SOLID BARE COPPER, FOAM HDPE DIELECTRIC, BONDED FOIL TAPE, 95% TC FRENCH BRAID SHIELD, BUNDLED WITH 1 22 AWG 1 PAIR SHIELDED AND 1 CAT5E, 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: FLAME RESISTANT PVC
COLOR CODE (EACH COAX): RED, GREEN, BLUE, BLACK, YELLOW,
 WHITE
JACKET COLOR: BLACK
RIPCORD: YES
OUTSIDE DIAMETER (EACH COAX/OVERALL): .122"/.520" AVG.
FOOTAGE MARKERS: ASCENDING/DESCENDING IN FEET
MAXIMUM PULLING TENSION: 240 LBS
MINIMUM BEND RADIUS (EACH COAX): .90"
MINIMUM BEND RADIUS (OVERALL): 7.0"
PACKAGING: REEL
SHIPPING WEIGHT: 140 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

UL CRITERIA:

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

PHYSICAL CHARACTERISTICS (22/1P):

TEMPERATURE RATING: -20 TO +80 DEG. C
CONDUCTOR/PAIR COUNT: 2 CONDUCTOR, 1 PAIR TWISTED
CONDUCTOR MATERIAL: TINNED COPPER
GAUGE & STRANDING: 22 AWG, STRANDED

ELECTRICAL CHARACTERISTICS (22/1P):

MAX. OPERATING VOLTAGE: 300V
MAX. CONTINUOUS CURRENT PER CONDUCTOR @ 25 DEG. C: 2.35 AMPS/CONDUCTOR
NOM. CAPACITANCE CONDUCTOR TO SHIELD

