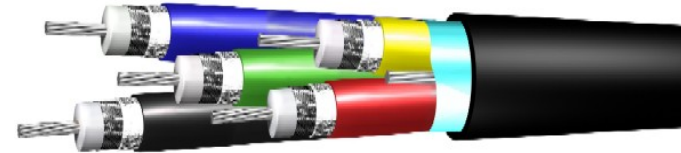


**SPECTRUM HD®-5**  
5 RG59 (25 AWG) Solid BC

12/13/2006 REV. 1.1



**PART NUMBER:** RB5SDS

**DESCRIPTION:** 5 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:** FLAME RESISTANT PVC  
**COLOR CODE (EACH COAX):** RED, GREEN, BLUE, BLACK, YELLOW  
**JACKET COLOR:** BLACK  
**OUTSIDE DIAMETER (EACH COAX/OVERALL):** .122"/.393" AVG.  
**FOOTAGE MARKERS:** ASCENDING/DESCENDING IN FEET  
**MAXIMUM PULLING TENSION:** 134 LBS  
**MINIMUM BEND RADIUS:** .90"  
**PACKAGING:** REEL  
**SHIPPING WEIGHT:** 91 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:**

	<b>MHZ</b>	<b>DB/100 FT.</b>	<b>MHZ</b>	<b>DB/100 FT.</b>
	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

**NOTES:**

1. Footage markers printed every two feet.
2. Foil shield is bonded to the dielectric.
3. Suitable for indoor and some outdoor applications.
4. 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

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expressed, statutory or implied.

