

SPECTRUM HD®-5 PLENUM

5 RG59 (25 AWG) SOLID BC

10/27/2006 REV 1.0



PART NUMBER: RB5MSDS

DESCRIPTION: 5 RG59 25 AWG 1 CONDUCTOR SOLID BARE COPPER, FOAM FEP DIELECTRIC, BONDED FOIL TAPE, 95% TC FRENCH BRAID SHIELD, OVERALL PAPER TAPE, INDIVIDUAL PVC JACKET, OVERALL FLAMARREST JACKET, SWEEP TO 3.0GHz, UL/NEC: CMP

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/FLAMARREST
COLOR CODE (EACH COAX): RED, GREEN, BLUE, BLACK, YELLOW
JACKET COLOR (OVERALL): CHARCOAL GRAY
RIPCORD: YES
OUTSIDE DIAMETER (EACH COAX/OVERALL): .122"/.360" AVG.
FOOTAGE MARKERS: ASCENDING/DESCENDING IN FEET
MAXIMUM PULLING TENSION: 130 LBS
MINIMUM BEND RADIUS (EACH COAX): .90"
MINIMUM BEND RADIUS (OVERALL): 3.5"
PACKAGING: REEL
SHIPPING WEIGHT: 75 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	0.40	450	10.00
	5	0.90	700	14.50
	50	3.70	1000	17.00
	100	5.00	3000	37.00

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: CMP
FLAME RESISTANCE: UL910