



REMEE PN: RGBS5NP

10/27/09
Rev. 6

1.0 SCOPE

This document establishes the specifications for a non-plenum RGB coaxial cable, consisting of five mini RG59/U's with an overall jacket suitable for high definition applications.

2.0 APPLICABLE DOCUMENTS

Reference Documents: NEC Article 800
UL Subject 444, Type CMR
C(ETL)US

3.0 REQUIREMENTS

This document contains test values for all important electrical and mechanical parameters, and as such, is the basis for all incoming inspection and acceptance.

4.0 ELECTRICAL

4.1	Capacitance: 16.3 pF/ft., nominal.	
4.2	Characteristic Impedance: 75 nominal	
4.3	Velocity of propagation: 84%, nominal.	
4.4	Nominal attenuation dB per 100 feet:	
	.52 dB @ 1 MHz	9.50 dB @ 400 MHz
	3.70 dB @ 50 MHz	13.4 dB @ 700 MHz
	4.90 dB @ 100 MHz	15.8 dB @ 1000 MHz
	6.70 dB @ 200 MHz	31.2 dB @ 3000 MHz

5.0 MECHANICAL

5.1 Conductor: 25AWG Solid bare copper.
5.2 Insulation material: Foamed Polyethylene.
5.3 Insulated conductor O.D: 0.073 in., nominal.
5.4 Shield: Aluminum/polyester (100% coverage)
5.5 Braid Shield: Tinned copper, 95% coverage nominal.
5.6 Jacket material: PVC.
5.7 Overall jacket O.D: 0.123 in., nominal.
5.8 Jacket colors: Red, Green, Blue, White, Black

6.0 OVERALL ASSEMBLY

6.1 Jacket Material: PVC.
6.2 Jacket color: Per customer requirement
6.3 Overall jacket O.D.: .430 in., nominal

7.0 PREPARATION FOR DELIVERY

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available. Shipping containers shall be constructed as to eliminate any possible damage to the cable due to shipment.