



	<b>TECHNICAL DATA SHEET</b>	code	<b>MRG5900</b>
		version	<b>3</b>
		date	<b>2007-04-10</b>
	<b>COAX RG59 PVC</b>	page	<b>2/2</b>

### Electrical characteristics

Mean characteristic impedance:	$75 \pm 3 \Omega$
Regularity of impedance:	$> 40 \text{ dB}$
DC resistance inner conductor:	$\leq 170 \Omega/\text{km}$
Capacitance:	$67 \text{ pF/m} \pm 2 \text{ pF/m}$
Velocity ratio:	nominal 0.66
Insulation resistance:	$> 10^4 \text{ M}\Omega.\text{km}$
Voltage test of dielectric:	2 kVdc

Return loss at	5-30 MHz:	$\geq 20 \text{ dB}^*$
	30-470 MHz:	$\geq 20 \text{ dB}^*$
	470-862 MHz:	$\geq 18 \text{ dB}^*$

\*Max. 3 peak values 4 dB lower than specified.

Attenuation at	Nominal		
5 MHz:	2.9 dB/100m	1000 MHz:	42.9 dB/100m
50 MHz:	8.0 dB/100m	1350 MHz:	50.0 dB/100m
100 MHz:	11.6 dB/100m	1600 MHz:	54.5 dB/100m
230 MHz:	18.3 dB/100m	1750 MHz:	57.0 dB/100m
300 MHz:	21.2 dB/100m	2150 MHz:	63.0 dB/100m
400 MHz:	25.0 dB/100m		
470 MHz:	27.5 dB/100m		
860 MHz:	39.2 dB/100m		

Maximum attenuation is 10% higher.

### REVISIONS

#	Description	Date	Initials
1		2005-08-30	
2		2005-11-07	
3	Conductivity 40% added in text, DC resistance innerconductor changed from $\leq 79$ to $\leq 170$ Ohm/km (mistake in data)	2007-04-10	MJ



Belden declares this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.

© Belden Wire & Cable B.V.

All rights are reserved. Reproduction in whole or in part is prohibited without the written consent of the copyright owner