

COAXIAL CABLES

UR(M)

APPLICATION

Broadband and baseband applications in communications aspects of military and commercial fields.

MECHANICAL AND ELECTRICAL PARAMETERS

Insulation: Solid Polyethylene
 Screen Material: Plain Copper Wire
 Sheath: Polyvinyl Chloride (except 5605 is Nylon)
 Other: To BS 2316
 Capacitance (pF/m): 100 for 50 ohm, 67 for 75 ohm
 Velocity Ratio: 0.666 (except 5605 is 0.657)
 Other Electrical Parameters are shown in Appendix 1

Part No	UR(M) Code	Zo Ohms	Conductor No/mm	Material	Nom O/D mm
5600	43	50	1/0.9	PCW	5.0
5601	57	75	1/1.15	PCW	10.3
5603	67	50	7/0.77	PCW	10.3
5602	70	75	7/0.19	PCW	5.8
5610	76	50	7/0.32	CCS	5.0
5619	90	75	1/0.6	SPCCS	6.0
5605	95	50	1/0.46	PCW	2.3

Insulation: Cellular Polyethylene
 Screen Material: Plain Copper Wire
 Sheath: Polyvinyl Chloride
 Other: To BS 2316
 Impedance: 75 ohm
 Capacitance (pF/m): 56
 Other Electrical Parameters are shown in Appendix 1

Part No	UR(M) Code	Zo Ohms	Conductor No/mm	Material	Nom O/D mm
5620	200	75	7/0.2	PCW	4.1
5609	202	75	7/0.25	PCW	5.1
5608	203	75	1/1.12	PCW	7.25

Appendix 1

OTHER ELECTRICAL PARAMETERS - COAX CABLES

UR(M) and RG series

Part No	max RF volt kV	Attenuation /dB/100m					(Freq. in MHz)					
		50	60	100	200	300	500	600	900	1000	3000	10k
5600	2.6			13.0	18.7	23.2		33.8		44.6		
5601	5.0			6.1	9.0	11.3		17.0		23.1		
5602	1.8			15.2	21.8	27.0		39.1		51.7		
5603	6.5			6.8	9.9	12.5		18.6		25.2		
5604	1.4	13.0		20.0		34.0				68.0		
5605	1.3			27.0	37.0	46.0		65.0				
5608			5.7	7.5	11.0		18.5		26.0			
5609			8.6	11.0	16.0		27.0		40.0			
5610	2.6			15.5	22.2			39.8		52.7		
5613	1.1	21.0		32.0		65.0				130.0		
5618	1.4	13.0		20.0		34.0						
5619	2.6			11.2	16.1	20.0		29.3		39.1		
5620				12.0	16.0	23.0		39.0		53.0		
5621	1.7	9.5		15.0		23.0				47.0		
5622	0.8	9.5		15.0		23.0				47.0		
5631	0.8	32.0		43.0		72.0				160.0	300.0	
5632	0.9	17.5		23.0		40.0				80.0		
5633	0.3	38.0		55.0		95.0						
5634	0.3	52.0		71.0		110.0						
5639	11.0	1.8		2.9	4.5					14.0		
5642	4.8	5.8		8.2		15.0				30.0		
5644	3.7	4.9		7.5		13.5				29.0	62.0	160.0
5645	5.0	4.5		7.0	10.2					28.0		
5646	1.9	9.0		13.0	20.0					52.0		
5647	5.0	5.0		7.5	11.0					30.0		

Broadcast and Satellite/TV Cables

Part No	Attenuation /dB/100m					(Freq. in MHz)							
	0.1	1	3	6	10	60	100	200	300	500	600	900	1000
4000						12.0	16.0	23.0		39.0		53.0	
4010	0.4	1.0	1.8	2.6	3.4								
4033						3.1	4.9	7.0		11.4		15.7	
4034						2.5	3.8	5.4		8.9		12.2	
4035							8.0		13.5		20.0		28.0
4036							18.0		31.0		45.0		60.0
4038							44.0		76.0		107.0		139.0
4039						3.9	6.1	8.4		13.9		19.1	
4040						3.9	6.1	8.4		13.9		19.1	
4043						6.3	8.2	11.8		19.7		28.0	
5614	0.3	0.8	1.4	2.0	2.6								

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