

Cables radio frequency coaxial 50 Ohm (MIL)

Description	PK 50-2-11	RG-58 C/U	RG-58 A/U	RG-213 /U	PK 50-7-11	PK 50-7-15
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Electric parameters

Impedance	Ohm	50+/-2	50+/-2	50+/-3	50+/-2	50+/-2	50+/-2
Capacity	pF/m	100+/-2	100+/-2	82+/-2	100+/-2	100+/-2	100+/-2
Velocity ratio	%	66	66	83	66	66	66
DC resistance (20 °C)	Conductor	Ohm/km	27,7	38,5	20,0	6,8	6,5
	Outer shield	Ohm/km	21,4	16,5	17,0	4,1	4,5
Attenuation (20 °C)	5 MHz	dB/100 m	4,19	3,27	2,02	1,41	1,46
	50 MHz	dB/100 m	11,01	10,50	7,60	4,30	4,50
	200 MHz	dB/100 m	22,23	21,42	15,30	9,40	9,50
	470 MHz	dB/100 m	34,14	33,52	24,10	14,70	15,00
	500 MHz	dB/100 m	37,13	34,64	18,06	15,30	15,50
	862 MHz	dB/100 m	48,64	46,33	31,00	21,20	21,90
	1000 MHz	dB/100 m	51,41	50,20	33,50	23,60	24,00
	1350 MHz	dB/100 m	60,49	59,11	40,30	28,61	29,59
	1750 MHz	dB/100 m	69,58	68,17	46,51	33,45	34,87
Return loss at	30-470 MHz	dB	>26	>26	>2	>27	>27
	470-862 MHz	dB	>25	>25	>25	>26	>26
	862-2150 MHz	dB	>24	>24	>24	>24	>24
Screening efficiency	5-10 MHz	dB	>80	>80	>80	>65	>65
	10-30 MHz	dB	>90	>90	>90	>70	>70
	30-1000 MHz	dB	>95	>95	>95	>85	>85

Construction

Material conductor			Bare copper	Annealed tinned copper	Bare copper	Bare copper	Bare copper	Bare copper
Diameter conductor	Ø mm	0,67	19x0,18	7x0,37	7x0,75	7x0,76	7x0,76	
Material dielectric		PE	PE	FHDPE	PE	PE	PE	
Diameter dielectric	Ø mm	2,2	2,95	2,95	7,25	7,25	7,25	
Braiding material		Bare copper	Annealed tinned copper	Annealed tinned copper	Bare copper	Bare copper	Bare copper	
Braid coverage	%	92	95	92	95,6	92	92	
Outer jacket		PE	PVC	PVC	PVC	PE	PVC	
Diameter sheath	Ø mm	4,0	5,1	5,1	10,3	10,3	10,3	
Min. Setting radius	mm	20	25	30	60	50	50	
Code of cable		4286	4340	4995	4932	4178	4153	
Colour		Black	Black	Black	Black	Black	Black	
Packing	m	300	100/200	100/200	100/200	300	100/200	
Total weight	kg/km	36,7	40,0	38,0	156,73	134	150	