

## Cables radio frequency coaxial 50 Ohm

Description	PK 50-3-a90B	RG-8X	RG-8/X	PK 50-4,8-a90П (5DFB)	RG-8-49П	PK 50-7,2-a90П
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## Electric parameters

Impedance	Ohm	50+/-5	50+/-5	50+/-5	50+/-5	50+/-3	50+/-2	
Capacity	pF/m	82	75	75	80	80	80	
Velocity ratio	%	83	86	86	85	83	83	
DC resistance (20 °C)	Conductor	Ohm/km	20	11	11	7,1	3,6	3,6
	Outer shield	Ohm/km	18	9	13	10,1	12,3	11,6
Attenuation (20 °C)	5 MHz	dB/100 m	2,40	1,90	1,94	1,40	0,93	1,03
	50 MHz	dB/100 m	7,50	5,25	5,36	3,30	2,70	3,00
	200 MHz	dB/100 m	14,85	11,00	11,22	8,50	5,82	5,40
	470 MHz	dB/100 m	22,80	16,00	16,48	13,90	8,84	8,70
	500 MHz	dB/100 m	23,40	16,41	16,98	14,20	9,09	10,6
	862 MHz	dB/100 m	30,50	22,10	22,87	19,00	12,05	12,43
	1000 MHz	dB/100 m	32,55	22,76	23,67	20,40	12,99	13,90
	1350 MHz	dB/100 m	39,90	27,81	28,92	24,50	15,58	16,00
	1750 MHz	dB/100 m	45,10	32,80	34,11	27,70	17,65	17,89
	2050 MHz	dB/100 m	50,20	35,07	36,82	30,90	19,69	20,01
	2150 MHz	dB/100 m	51,50	36,01	37,81	31,60	20,18	20,83
	3000 MHz	dB/100 m	65,78	43,90	46,09	43,56	29,73	31,75
4000 MHz	dB/100 m	77,49	54,19	57,44	52,24	35,86	36,44	
5000 MHz	dB/100 m	88,15	61,72	65,42	60,12	41,65	41,35	
6000 MHz	dB/100 m	98,10	64,96	69,12	67,70	47,30	46,30	
Screening	30-1000 MHz	dB	>80	>90	>75	>90	>100	>110

## Construction

Material conductor			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper
Diameter conductor	∅ mm		1,05	1,45	1,45	1,72	2,62	2,62
Material dielectric			FHDPE	FHDPE	FHDPE	FHDPE	FHDPE	FHDPE
Diameter dielectric	∅ mm		2,95+/-0,15	3,81+/-0,15	3,81+/-0,15	4,8+/-0,15	7,2+/-0,15	7,2+/-0,15
Tape			Al/Pet/Al	Al/Pet/Al	Al/Pet/Al	Al/Pet/Al	Cu/Pet	Al/Pet/Al/Pet
Braiding material			Tinned copper	Tinned copper	Copper	Tinned copper	Copper	Tinned copper
Braid coverage	%		92	92	50	92	50	90
Outer jacket			PVC	PE	PE	PE	PE	PE
Diameter sheath	∅ mm		4,95	6,10	6,10	7,20	10,30	10,30
Min. bend radius (install)	mm		25	32	32	36	100	100
Code of cable			4660	4608	4609	4622	4382	4629
Colour			Black	Black	Black	Black	Black	Black
Packing	m		100/200	150/300	150/300	100/200	300/500	300/500
Total weight	kg/km		37,00	60,00	49,00	82,00	128,00	135,00

## Fireproof cables (fire resistant LSOH sheathed cables)

Description	PK 50-3-a90 Bнr LSOH	PK 50-4,8-a90 Bнr LSOH	RG-8-49 Bнr LSOH	RG-8-49S(P) Bнr LSOH	RG-8-90 Bнr LSOH	PK 50-7,2-a90 Bнr LSOH
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## Electric parameters

Impedance	Ohm	50+/-5	50+/-5	50+/-3	50+/-2	50+/-2	50+/-2	
Capacity	pF/m	82	80	80	80	80	80	
Velocity ratio	%	83	85	83	83	83	83	
DC resistance (20 °C)	Conductor	Ohm/km	20	7,1	3,6	4,5	3,6	3,6
	Outer shield	Ohm/km	18	10,1	12,3	12,3	11,00	11,6
Attenuation (20 °C)	5 MHz	dB/100 m	2,40	1,40	0,93	1,00	0,90	1,03
	50 MHz	dB/100 m	7,50	3,30	2,70	3,40	2,91	3,00
	200 MHz	dB/100 m	14,85	8,50	5,82	6,80	5,22	5,40
	470 MHz	dB/100 m	22,80	13,90	8,84	9,52	8,32	8,70
	500 MHz	dB/100 m	23,40	14,20	9,09	11,20	8,95	10,6
	862 MHz	dB/100 m	30,50	19,00	12,05	15,20	11,89	12,43
	1000 MHz	dB/100 m	32,55	20,40	12,99	16,40	12,72	13,90
	1350 MHz	dB/100 m	39,90	24,50	15,58	19,80	15,34	16,00
	1750 MHz	dB/100 m	45,10	27,70	17,65	23,10	17,20	17,89
	2050 MHz	dB/100 m	50,20	30,90	19,69	25,10	19,25	20,01
2150 MHz	dB/100 m	51,50	31,60	20,18	25,40	19,86	20,83	
3000 MHz	dB/100 m	65,78	43,56	29,73	30,50	31,28	31,75	
4000 MHz	dB/100 m	77,49	52,24	35,86	36,54	36,16	36,44	
5000 MHz	dB/100 m	88,15	60,12	41,65	43,90	40,89	41,35	
6000 MHz	dB/100 m	98,10	67,70	47,30	48,30	45,26	46,30	
Screening efficiency	30-1000 MHz	dB	>80	>90	>100	>100	>110	>110

## Construction

Material conductor			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	
Diameter conductor	Ø	MM	1,05	1,72	2,62	19x0,54	2,62	2,62	
Material dielectric			FHDPE	FHDPE	FHDPE	FHDPE	FHDPE	FHDPE	
Diameter dielectric	Ø	MM	2,95+/-0,15	4,8+/-0,15	7,2+/-0,15	7,2+/-0,15	7,2+/-0,15	7,2+/-0,15	
Type of foil			Al/Pet/Al	Al/Pet/Al	Cu/Pet	Cu/Pet	Cu/Pet	Al/Pet/Al/Pet	
Braiding material			Annealed tinned copper	Annealed tinned copper	Bare copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	
Braid coverage		%	92	92	50	50	90	90	
Outer jacket			Fire resistant LSZH and fire retardant LSZH polymeric composition						
Diameter sheath	Ø	MM	4,95	7,20	10,30	10,30	10,30	10,30	
Min. Setting radius		MM	25	36	100	100	100	100	
Code of cable			4660	4622	4382	4936(4951)	4823	4629	
Colour			Black	Black	Black	Black	Black	Black	
Packing		M	100/200	100/200	300/500	300/500	300/500	300/500	
Total weight		KG/KM	37,00	82,00	128,00	135(124)	136,00	135,00	