FLUOROPLASTIC COAXIAL CABELS

KARL SCHUPP AG

CONDUCT – PROTECT – INSULATE

RG Coaxial Cable, single shielded

Conductor:	**1** - Steel wire with silver-plated copper coating (SCCS) or silver-plated copper (SPC)
Dielectric:	**2** - Polytetrafluoroethylene (PTFE)
Shielding:	**3** - Braided, silver-plated copper (SPC)
Sheath:	**4** - Fluorinated ethylene propylene (FEP)
Color:	transparent brown
Temperature range:	-55 bis 200 ˚C
Conformity:	RoHS, REACH

For Industrial applications

Item-Number	Type	Impe-dance W Ω	Dimensions					Weight [g/m]	Electrical Properties					
			Conductor		Dielectric	Shielding	Sheath		Voltage	Max. Capacity	Minimum Bending Radius (mm)	Frequency	max, Power	Electrical attenuation
			Number x Ø [mm]	Ø [mm]	Ø [mm]	Ø [mm]	Ø [mm]		[VAC]	[pF/m]		[MHz]	[W]	[db/100 m]
KORG142	RG 142	**50**	1 x 0,94	0,94	2,95	innen	4,80	80	1400	95	25	30	2373	7
			SPC			3,50						100	1300	13
						aussen						400	650	26
						4,10						1000	411	42
												2500	260	69
KORG178	RG 178	**50**	7 x 0,10	0,30	0,85	1,30	1,75	9	500	94	10	30	274	25
			SPC									100	150	46
												400	75	93
												1000	47	148

Item-Number	Type	Impe-dance W Ω	Dimensions					Weight [g/m]	Electrical Properties					
			Conductor		Dielectric	Shielding	Sheath		Voltage	Max. Capacity	Minimum Bending Radius (mm)	Frequency	max, Power	Electrical attenuation
			Number x Ø [mm]	Ø [mm]	Ø [mm]	Ø [mm]	Ø [mm]		[VAC]	[pF/m]		[MHz]	[W]	[db/100 m]
												2500	30	237
KORG179	RG 179	**75**	7 x 0,10	0,30	1,60	2,05	2,50	16	900	63	15	30	511	15
			SPC									100	280	28
												400	140	56
												1000	89	86
												2500	56	144
KORG316	RG 316	**50**	7 x 0,18	0,54	1,56	2,00	2,45	17	900	94	15	30	621	15
			SPC									100	340	27
												400	170	54
												1000	108	86
												2500	68	139
KORG400	RG 400	**50**	19 x 0,20	0,98	2,95	innen	4,80	70	1,400	94	25	30	2008	39
			SPC			3,50						100	1100	8
						aussen						400	550	15
						4,10						1000	348	31
												2500	220	

For Military Applications

Item-Number	Type	Impe-dance W Ω	Dimensions					Weight [g/m]	Electrical Properties					
			Conductor		Dielectric	Shielding	Sheath		Voltage	max, Capacity	Minimum Bending Radius (mm)	Fre-quency	max, Power	Electrical attenuation
			Number x Ø [mm]	Ø [mm]	Ø [mm]	Ø [mm]	Ø [mm]		[VAC]	[pF/m]		[MHz]	[W]	,[db/100m]
KORG142M	RG142 M	**50**	1 x 0,94	0,94	2,95	innen	4,80	80	1400	95	25	30	2373	7
			SCCS			3,50						100	1300	13
						aussen						400	650	26
						4,10						1000	411	42
												2500	260	69
KORG178M	RG 178 M	**50**	7 x 0,10	0,30	0,85	1,30	1,75	9	500	94	10	30	274	25
weiss oder schwarz			SCCS									100	150	46

Item-Number	Type	Impe-dance W Ω	Dimensions					Weight [g/m]	Electrical Properties					
			Conductor		Dielectric	Shielding	Sheath		Voltage	max, Capacity	Minimum Bending Radius (mm)	Fre-quency	max, Power	Electrical attenuation
			Number x Ø [mm]	Ø [mm]	Ø [mm]	Ø [mm]	Ø [mm]		[VAC]	[pF/m]		[MHz]	[W]	,[db/100m]
												400	75	93
												1000	47	148
												2500	30	237
KORG303M	RG 303 M	**50**	1 x 0,94	0,94	2,95	3,55	4,32	45	1,400	94	25	30	2045	7
			SCCS									100	1120	13
												400	560	26
												1000	354	42
												3000	224	69
KORG304M	RG304 M		1 x 1,50	1,50	4,70	innen	7,10	130	2200	94	40	30	4382	5
			SCCS			5,40						100	2400	9
						aussen						400	1200	18
						6,10						1000	759	30
												2500	480	49
KORG316M	RG 316 M	**50**	7 x 0,18	0,54	1,56	2,00	2,45	17	900	94	15	30	621	15
schwarz oder weiss			SCCS									100	340	27
												400	170	54
												1000	108	86
												2500	68	139
KORG393M	RG 393 M	**50**	7 x 0,80	2,43	7,24	innen	10,10	180	1900	95	50	30	6573	4
			SPC			8,00						100	3600	7
						aussen						400	1800	14
						8,70						1000	1138	23
												2500	720	39
KORG400M	RG 400 M	**50**	19 x 0,20	0,98	2,95	innen	5,10	55	1,400	95	25	30	2008	39
			SPC			3,50						100	1100	8
						aussen						400	550	15
						4,10						1000	348	31
												2500	220	

Subminiatur - Coaxial Cable SM

Conductor:	1 - Silver-plated, high-strength copper alloy (HSA) or silver-plated copper
Dielectric:	**2** - Polytetrafluoroethylene (PTFE)
Shielding:	**3** - Braided, silver-plated copper (SPC)
Sheath:	**4** - Fluorethylene propylene (FEP)
Color:	transparent
Temperatur Range:	-55 bis 200 ˚C
Conformity:	RoHS, REACH

Item - Number	Type	Impe-dance	Dimensions					Weight	Electrical Properties				
			Conductor		Dielectric	Shielding	Sheath		Voltage	max, Capacity	Fre-quency	max, Power	Electrical attenuation
			Numberl x Ø	Ø]	Ø	Ø	Ø						
		W Ω	[mm]	[mm]	[mm]	[mm]	[mm]	[g/m]	[VAC]	[pF/m]	[MHz]	[W]	[db/100 m]
KOSM50	SM50	**50**	1 x 0,16	0,16	0,52	0,80	1,00	3	400	86	30	117	36
			HSA								100	64	65
											400	32	130
											1000	20	207
											2500	13	329
KOSM75	SM75	**75**	1x 0,10	0,10	0,52	0,80	1,00	3	600	64	30	117	36
			HSA								100	64	65
											400	32	130
											1000	20	207
											2500	13	329
KOSM95	SM95	**95**	1x 0,10	0,10	0,95	1,20	1,40	5	600	50	30	219	26
			SPC								100	120	47
											400	60	95
											1000	38	151
											2500	24	242

For Industrial Applications

Item - Number	Type	Impe-dance	Dimensions					Weight	Electrical Properties					
			Conductor		Dielectric	Shielding	Sheath		Voltage	max, Capacity	Minimum Bending Radius (mm)	Fre-quency	max, Power	Electrical attenuation
			Number x Ø	Ø	Ø	Ø	Ø]							
		W Ω	[mm]	[mm]	[mm]	[mm]	[mm]	[g/m]	[VAC]	[pF/m]	[mm]	[MHz]	[W]	[db/100 m]
KORGD179	RGD 179	**50**	7 x 0,10	0,30	1,60	innen	3,0	23	900	63	15	30	511	15
			SCCS			2,05						100	280	28
						aussen						400	140	56
						2,50						1000	89	86
												2500	56	144
KORGD180	RGD 180	**95**	7 x 0,10	0,30	2,60	innen	4,10	39	,000	50	25	30	803	12
			SCCS			3,05						100	440	21
						aussen						400	220	43
						3,50						1000	139	69
												2500	88	112
KORGD316	RGD 316	**50**	7 x 0,17	0,51	1,52	innen	2,90	27	900	94	15	30	621	15
			SCCS			2,00						100	340	27
						aussen						400	170	54
						2,40						1000	108	86
												2500	68	139

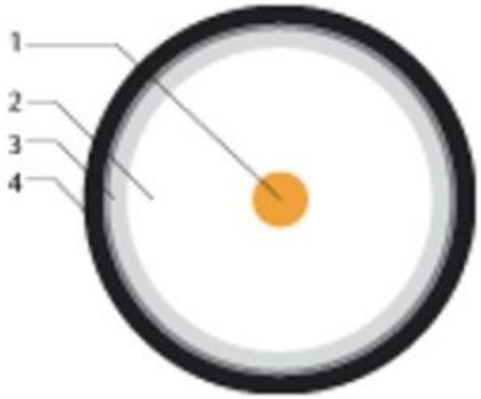
For Military Applications

Item - Number	Type	Impe-dance	Dimensions					Weight	Electrical Properties					
			Conductor		Dielectric	Shielding	Sheath		Voltage	max, Capacity	Minimum Bending Radius (mm)	Fre-quency	max, Power	Electrical attenuation
			Number x Ø	Ø	Ø	Ø	Ø]							
		W Ω	[mm]	[mm]	[mm]	[mm]	[mm]	[g/m]	[VAC]	[pF/m]	[mm]	[MHz]	[W]	[db/100 m]
KORGD178M	RGD 178 M	**95**	7 x 0,17	0,30	0,87	innen	2,25	14	500	94	15	30	274	25
						21,30						100	150	46
						aussen						400	75	93
						1,74						1000	47	148

Item - Number	Type	Impe-dance	Dimensions					Weight	Electrical Properties					
			Conductor		Dielectric	Shielding	Sheath		Voltage	max, Capacity	Minimum Bending Radius (mm)	Fre-quency	max, Power	Electrical attenuation
			Number x Ø	Ø	Ø	Ø	Ø]							
		W Ω	[mm]	[mm]	[mm]	[mm]	[mm]	[g/m]	[VAC]	[pF/m]	[mm]	[MHz]	[W]	[db/100 m]
												2500	30	237
KORGD179M	RGD 179 M	**75**	7 x 0,10	0,30	1,60	innen	3,0	23	900	63	1515	30	511	15
						2,05						100	280	28
						aussen						400	140	56
						2,50						1000	89	86
												2500	56	144
KORGD180M	RGD 180 M	**95**	7 x 0,10	0,30	2,60	innen	4,10	39	,000	50	25	30	803	12
						3,05						100	440	21
						aussen						400	220	43
						3,50						1000	139	69
												2500	88	112
KORGD316M	RGD 316 M	**50**	7 x 0,17	0,51	1,52	innen	2,90	27	900	94	15	30	621	15
						2,00						100	340	27
						aussen						400	170	54
						2,40						1000	108	86
												2500	68	139

Low-Noise- Coaxial Cable RGL

Conductor:	**1** - Silver-plated, copper-coated steel wire (SCCS) or silver-plated, high-strength copper alloy (HSA) or silver-plated copper wire (SPC)
Dielectric:	**2** - Polytetrafluorethylene (PTFE) avec semiconductive layer LS (low noise coating)
Shielding:	**3** - Braided, silver-plated copper (SPC)
Sheath:	**4** - Fluorethylenpropylene (FEP)
Color:	noir
Temperatur Range:	-55 bis 200 °C
Conformity:	RoHS, REACH



Item - Number	Type	Impe-dance W Ω	Dimensions					Weight [g/m]	Electrical Properties		Minimum Bending Radius (mm)
			Conductor		Dielectric	Shielding	Sheath		max. Power	max. Capacity	
			Number x Ø [mm]	Ø [mm]	Ø [mm]	Ø [mm]	Ø [mm]		[W]	[pF/m]	[mm]
KORGL179	RGL 179	**75**	7 x 0,10	0,30	1,60	2,05	2,54	16	900	75	20
					LS: 1,62						
KORGL187	RGL187	**75**	7 x 0,10	0,30	1,60	2,05	2,69	16	900	75	20
					LS: 1,62						
KORGL196	RGL196	**50**	7 x 0,10	0,30	0,89	1,35	2,00	9	500	105	20
					LS: 0,91						
KORGL316	RGL 316	**50**	7 x 0,18	0,51	1,56	2,00	2,49	15	900	105	20
					LS: 1,58						
KORGL400	RGL400	**50**	19 x 0,20	0,98	2,98	3,55	4,95	65	1400	105	30
			SPC		LS: 3,00	4,10					
KOSML50	SML 50	**50**	1 X 0,16	0,16	0,52	0,80	1,00	3	400	105	5
			HSA		LS; 0,54						