

Recommended Coaxial Cables

Dimensions and characteristics

Supplier specification / Part Number		Imp. (Ω)	Construction and dimensions									Weight kg/ 100m
			Conductor			Dielectric		Screen		Sheath		
			Constr.	Mat.	\emptyset	Mat.	\emptyset	Mat.	\emptyset	Mat.	\emptyset	
RG.6A/U		75 \pm 3 Ω	solid	CuSt	0.73	PE	4.70	AgCu	6.2	PVC*	8.45	10.70
RG.11A/U	75-7-1	75 \pm 3 Ω	7 \times 0.40	CuSn	1.20	PE	7.25	Cu	8.2	PVC*	10.30	14.00
RG.12A/U		75 \pm 3 Ω	7 \times 0.40	CuSn	1.20	PE	7.25	Cu	8.2	FeZc	11.80	25.60
RG.34B/U		75 \pm 3 Ω	7 \times 0.62	Cu	1.86	PE	11.50	Cu	12.4	PVC*	16.00	28.40
RG.58C/U	50-3-1	50 \pm 2 Ω	19 \times 0.18	CuSn	0.90	PE	2.95	CuSn	3.6	PVC*	5.00	3.80
RG.59B/U		75 \pm 3 Ω	solid	CuSt	0.60	PE	3.70	Cu	4.5	PVC*	6.10	5.00
RG.115A/U		50 \pm 2 Ω	7 \times 0.75	CuAg	2.25	PTFE	6.50	Ag+Ag	8.0	PTFE+GSI	10.50	22.60
RG.122/U		50 \pm 2 Ω	27 \times 0.13	CuSn	0.80	PE	2.50	CuSn	3.2	PVC*	4.10	3.20
RG.142B/U		50 \pm 2 Ω	solid	CuStAg	0.95	PTFE	2.95	Ag+Ag	4.3	FEP	5.00	6.20
RG.144/U	75-7-11	75 \pm 3 Ω	7 \times 0.45	CuStAg	1.35	PTFE	7.25	CuAg	8.0	PTFE+GSI	10.40	20.00
RG.165/U	50-7-8	50 \pm 2 Ω	7 \times 0.82	CuAg	2.46	PTFE	7.25	CuAg	8.0	PTFE+GSI	10.40	27.00
RG.174A/U	50-2-1	50 \pm 2 Ω	7 \times 0.16	CuSt	0.48	PE	1.50	CuSn	2.0	PVC*	2.80	1.10
RG.178B/U	50-1-1	50 \pm 2 Ω	7 \times 0.10	CuStAg	0.30	PTFE	0.84	CuAg	1.3	FEP	1.80	0.85
RG.179B/U	75-2-1	75 \pm 3 Ω	7 \times 0.10	CuStAg	0.30	PTFE	1.50	CuAg	2.0	FEP	2.50	1.50
RG.180B/U		95 \pm 5 Ω	7 \times 0.10	CuStAg	0.30	PTFE	2.60	CuAg	3.1	FEP	3.60	3.20
RG.187A/U	75-2-2	75 \pm 3 Ω	7 \times 0.10	CuStAg	0.30	PTFE	1.50	CuAg	2.0	PTFE	2.60	1.60
RG.188A/U	50-2-3	50 \pm 2 Ω	7 \times 0.18	CuStAg	0.54	PTFE	1.50	CuAg	2.0	PTFE	2.60	1.60
RG.196A/U	50-1-2	50 \pm 2 Ω	7 \times 0.10	CuStAg	0.30	PTFE	0.84	CuAg	1.3	PTFE	2.10	1.10
RG.212/U		50 \pm 2 Ω	solid	CuAg	1.35	PE	4.70	Ag+Ag	6.2	PVC*	8.50	11.80
RG.213/U	50-7-2	50 \pm 2 Ω	7 \times 0.75	Cu	2.25	PE	7.25	Cu	8.2	PVC*	10.30	15.50
RG.214/U		50 \pm 2 Ω	7 \times 0.75	CuAg	2.25	PE	7.25	Ag+Ag	8.8	PVC*	10.80	18.70
RG.216/U		75 \pm 3 Ω	7 \times 0.40	CuSn	1.20	PE	7.25	Cu+Cu	8.8	PVC*	10.80	17.00
RG.217/U		50 \pm 2 Ω	solid	Cu	2.70	PE	9.40	Cu+Cu	11.2	PVC*	13.80	31.00
RG.223/U	50-3-5	50 \pm 2 Ω	solid	CuAg	0.89	PE	2.95	Ag+Ag	4.3	PVC*	5.40	5.50
RG.225/U		50 \pm 2 Ω	7 \times 0.82	CuAg	2.46	PTFE	7.25	Ag+Ag	8.8	PTFE+GSI	10.90	28.00
RG.226/U		50 \pm 2 Ω	19 \times 0.64	CuAg	3.18	PTFE	9.40	Cu+Cu	10.9	PTFE+GSI	12.70	37.00
RG.280/U		50 \pm 2 Ω	solid	Cu	2.90	PTFE	8.30	Ag+Ag	9.8	PVC*	12.20	29.40
RG.302/U	75-4-6	75 \pm 3 Ω	solid	CuStAg	0.64	PTFE	3.70	CuAg	4.4	FEP	5.10	6.20
RG.303/U		50 \pm 2 Ω	solid	CuStAg	0.95	PTFE	2.95	CuAg	3.6	FEP	4.30	5.10
RG.304/U		50 \pm 2 Ω	solid	CuStAg	1.50	PTFE	4.70	Ag+Ag	6.2	FEP	7.10	12.60
RG.316/U	50-2-2	50 \pm 2 Ω	7 \times 0.18	CuStAg	0.54	PTFE	1.50	CuAg	2.0	FEP	2.50	1.60
RG.393/U		50 \pm 2 Ω	7 \times 0.80	CuAg	2.40	PTFE	7.25	Ag+Ag	8.8	FEP	9.90	27.00
RG.400/U		50 \pm 2 Ω	19 \times 0.20	CuAg	1.00	PTFE	2.95	Ag+Ag	4.3	FEP	5.00	6.30
Dätwyler HF-2114		50 \pm 2 Ω	7 \times 0.16	Cu	0.48	PE	1.30	Cu	1.9	PVC	2.70	1.16
Dätwyler HF-5408/1		75 \pm 3 Ω			0.60		3.80				5.60	
LEMO CCE.99.281.505	50-2-1	50 \pm 2 Ω	7 \times 0.18	CuSt	0.54	PE	1.50	Cu	2.2	PVC*	2.80	1.27
LEMO CCH.99.281.505	50-2-1	50 \pm 2 Ω	7 \times 0.18	CuSt	0.54	PE	1.50	Cu	2.2	PoF	2.80	1.30
Philips 0722 102 11001		75 \pm 3 Ω	solid	Cu	0.32	PE	2.04	Cu	3.0	PVC	3.70	2.30
Philips 0722 102 29001		75 \pm 3 Ω	solid	Cu	0.32	PE	2.04	AgCu	3.0	PVC	3.70	2.00
Siemens 2YCY 0.4/25		75 \pm 2 Ω	solid	CuSt	0.40	PE	2.50	Cu	2.8	PVC	3.80	2.20
Siemens 2YCCY 0.4/25		75 \pm 2 Ω	solid	CuSt	0.40	PE	2.50	Cu	3.7	PVC	4.50	2.20

Abbreviations

Ag+Ag	Double screen, silver-plated copper	CuSn	Tinned copper	PoF	Polyolefine
AgCu	Double screen	CuSt	Copper-plated steel	PTFE	Wrapped or extruded Polytetrafluorethylene
CR	Polychloroprene (Neoprene)	CuStAg	Silvered copper-plated steel	PTFE+GSI	Wrapped or extruded Polytetrafluorethylene filled with fiberglass and impregnated with silicone varnish
CSM	Hypalon	FEP	Extruded Polytetrafluorethylene	PVC	Polyvinylchloride
Cu	Bare copper	FeZc	Galvanized iron armour	PVC*	Polyvinylchloride (Qual.IIa MIL-C-17)
CuAg	Silver-plated copper	PE	Polyethylene		

Note: All dimensions are in millimeters