Cable Cross Reference

cable part number	cable type	characteristic impedance Ω	diameter size Φ (mm)				
			center conductor		out diameter of insulator	out diameter of shield	out diameter of jacket
			compacting	out diameter			
2	SYV-50-1	50	7×0.09	0.27	0.87±0.05	1.455	1.9±0.1
	SYV-50-1						
	RG-178U	50	7×0.1	0.30	0.91	1.375	2.01±0.1
	RG-196U	50	7×0.1	0.30	0.91	1.375	2.05
	SYV-75-1	75	Single core	0.17	0.87	1.375	1.95
3	SYV-50-2-1	50	7×0.16	0.48	1.5±0.1	2.15	2.9±0.1
	SYV-50-1.5-1	50	7×0.18	0.54	1.5±0.1	2.15	2.95±0.15
	RG-174U	50	7×0.16	0.48	1.5±0.1	2.245	2.54
	RG-316U	50	7×0.17	0.51	1.52	2.965	2.59
	SYV-50-3-1	50	7×0.18	0.54	1.52	2.965	2.79
	SYV-75-1.5-1	75	7×0.1	0.30	1.52	—	2.55
	SYV-75-2.5-2	75	7×0.13	0.39	1.56	—	2.9
	SYV-75-2	75	7×0.08	0.24	1.50	2.15	2.9±0.1
	RG-179BUA	75	7×0.1	0.30	1.52	2.135	2.54
3A	RG-316DT	50	7×0.17	0.51	1.82	2.220	2.82
4	SYV-50-2-1	50	Single core	0.51	2.3	3.0	3.3±0.2
4A	SYV-75-2	75	Single core	0.41	2.2	—	3.2
	SYV-50-2-2	50	7×0.23	0.68	2.3	3.10	4.0
	SYV-50-2-1	50	Single core	0.73	2.2	-0	4.0
5	SYV-50-3-1	50	Single core	0.91	2.8	-0	4.5±0.25
	SYV-50-3	50	Single core	0.90	3.0	3.850	5.0±0.25
	RG-141A(U)	50	Single core	0.91	3.0	3.710	4.95
	RG-58C/U	50	Single core	0.90	2.95	3.815	4.95
	RG-303U	50	Single core	0.99	2.95	3.715	4.32
	RG-58U	53.5	Single core	0.81	2.95	3.905	4.95
	SYV-75-3	75	7×0.17	0.51	2.95	3.855	5.0±0.25
5A	SYV-75-3-1	75	Single core	0.75	3.0	-0	4.5
	SYV-75-3-2	75	Single core	0.55	3.0	-0	5.5
	SYV-50-3-2	50	Single core	0.81	3.0	-0	5.00
	RG-58U	53.5	Single core	0.81	2.95	4.200	5.23
	RG-142B/U	50	Single core	0.99	2.95	4.340	4.95
	RG-223/U	50	Single core	0.99	2.95	4.470	5.49
	RG-400/U	50	19×0.18	0.99	2.95	4.340	4.95
	RG-58B/U	75	Single core	0.58	3.71	4.865	6.10
6	RG-140U	75	Single core	0.64	3.71	4.475	5.52
	SYV-50-5-2	50	Single core	1.37	4.6±0.20	6.200	7.8±0.30
	SYV-75-5	75	Single core	1.29	4.60	6.200	8.33

1. Letters in out diameter of shield: S: single comb shield D: double comb shield 2: cable RG-X/X/U is the model of shield.
3. executive standard of domestic flexible/semi-rigid cable.
4. executive standard of foreign flexible/semi-comfortable cable

Cable Cross Reference

cable part number	cable type	characteristic impedance Ω	diameter size Φ (mm)				
			center conductor		out diameter of insulator	out diameter of shield	out diameter of jacket
			compacting	out diameter			
6	RG-212U	50	Single core	1.45	4.70	6.300	8.43
	RG-213U	50	Single core	1.45	4.70	6.300	8.43
	RG-213/U-1	50	Single core	1.25	4.70	6.300	8.43
	RG-441U	75	Single core	1.72	4.70	6.300	8.43
7	SYV-50-7-1	50	7×0.75	2.26	7.3±0.25	9.55	10.2±0.30
	RG-195U	50	7×1.66	3.40	7.25	9.645	10.40
	RG-215U	50	7×0.75	2.26	7.25	9.645	10.29
	RG-216U	50	7×1.75	2.26	7.25	9.645	12.07
	RG-217U	50	7×0.75	2.17	7.24	9.205	10.29
	SYV-75-7	75	7×1.64	1.20	7.25±0.25	9.905	10.29
	RG-11U	75	7×1.64	1.20	7.24	9.205	10.29
	RG-146U	75	7×0.48	1.35	7.25	9.385	10.40
	RG-214U	50	7×0.75	2.26	7.25	9.140	10.80
	RG-225U	50	7×0.75	2.38	7.24	9.140	10.92
	RG-6U	51	7×0.72	2.17	7.11	8.705	10.67
8	RG-174U-7.2	50	Single core	0.91	7.3±0.25	9.300	10.2±0.30
9	SYV-50-9	50	—	2.85	9.0±0.30	10.2	12.4±0.40
	RG-178B/U	50	—	2.59	8.63	10.120	11.81
10	SYV-50-12	50	—	3.6	11.5±0.4	12.8	15±0.50
	RG-402	71	7×0.72	2.17	11.50	12.3	15.88
11	SYV-50-15	50	—	2.69	9.40	11.750	15.62
	SYV-50-15			4.62	15±0.50	16.4	19±0.50
12	SYV-75-9	75	—	2.85	9.0±0.30	10.2	12.4±0.40
13	SYV-75-9-1/2	75	9.72 - 9.79		4.60±0.20	5.55	7.1±0.35
15	SYV-75-7	75	7×0.48	1.20	7.3±0.25	9.905	10.2±0.30
16	SYV-75-9	75	—	1.37	9±0.30	10.2	12.4±0.40
17	SYV-75-18	75	—	2.48	16±0.50	16.4	19±0.50
18	SYV-75-17	75	—	2.85	17±0.5/70	19.3	22.2±0.60
19	SYV-50-7	50	—	3.6	7.3±0.25	8.5	10.2±0.30
20	SYV-50-7			0.3	6.6±0.20		9.6
21	SDV-4			0.64	3.7±0.25		6.2±0.40
22	SDM-50-7	50	—	1.68	7.3±0.30		9.9±0.60
23	SDH-50-9	50	—	1.4	8.7±0.40		14.3±0.60
24	SDH-75-5	75	—	0.78	5.4±0.30		9.2±0.60
25	SDM-75-5	75	—	0.68	5.3±0.30		8±0.60

Note:
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4. executive standard of foreign flexible/semi-comfortable cable

Cable Cross Reference

cable part number	cable type	characteristic impedance Ω	diameter size Φ (mm)				
			center conductor		out diameter of insulator	out diameter of shield	out diameter of jacket
			compacting	out diameter			
26	SK-75-6	75		0.78	6±0.30		8.8±0.40
27	SYV-50-5-1	50		1.37	4.6±0.20	5.55	7±0.30
28	SYV-50-5-2	50		1.37	4.6±0.20	6.20	7.8±0.30
29	SYV-50-7-5	50		5.3	17.3±0.75	19.3	22.2±0.60
30	SYV-50-5-2/5-1/2	50		4.85	23±0.70	26.4±0.50	28.8±0.70
31	SYV-50-9-2/9-1/2	50		8.5	35±0.70	38±0.50	34.5±0.8
32	SYV-75-2	75	7×0.38	0.24	1.5±0.10	2.15±0.10	2.9±0.1
33	SYV-75-5	75		2.48	16±0.50	12.8	15±0.5
34	SYV-75-20-1/2	75		3.18	20±1.0	26±0.50	28.8±0.70
35	SYV-75-35-1/2	75		4.5	36±1.0	30±0.5	34.5±0.8

flexible cable semi-rigid/comfortable cable

B2	SFT-50-2-1	50	Single core	0.51	1.67	2.2
	SFT-75-2	75	Single core	0.27	1.67	2.2
	RG400/U	50	Single core	0.51	1.67	2.2
B3	SFT-50-3-1	50	Single core	0.91	2.8	3.6
	SFT-75-3	75	Single core	0.55	3.0	3.6
	RG-402U	50	Single core	0.92	3.0	3.6
B5	SFT-50-5-2	50	Single core	1.60	5.20	6.0
	SFT-75-5-3	75	Single core	0.95	5.3	6.0

Note:
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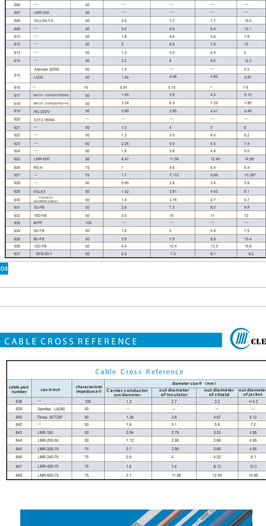
Cable Cross Reference

cable part number	size in inch	cable type	characteristic impedance Ω	diameter size Φ (mm)					
				center conductor		out diameter of insulator	out diameter of shield	out diameter of jacket	
				compacting	out diameter	compacting	out diameter	compacting	out diameter
S11	1/4 -	RFF 1/4 - (SERIAL) (super flexible)	50	copper line	1.9	foam polyethene	4.8	helix corrugated copper pipe	6.4 7.4
		FSJ2-50 (HELIAX ANDREW) (super flexible)	50	copper line	1.9	foam polyethene	4.7	corrugated copper pipe	6.4 7.4
S12		HSYRP-50A (HELIAX ANDREW)	50	copper line	—	air dielectric	4.7	helix corrugated Cable	6.4 7.4
S14		LDF1-50 (HELIAX ANDREW)	50	copper line	2.8	foam polyethene	—	corrugated Cable	7.7 8.8
S11	3/8 -	SYV10-2-51	50	copper line	3.1	foam polyethene	—	helix corrugated copper pipe	9.7 11
S12		HJ7.0-50 (HELIAX ANDREW)	50	copper line	—	air dielectric	—	corrugated copper pipe	8.5 10.5
S13		RFF 3/8 - (SERIAL) (super flexible)	50	copper line	2.8	foam polyethene	8.5	helix corrugated copper pipe	9.0 10.1
S12		FSJ2-50 (HELIAX ANDREW)	50	—	2.8	air dielectric	—	corrugated copper pipe	9.0 10.5
S12	1/2 -	HJ7.0-50T (HELIAX ANDREW)	50	—	4.8	air dielectric	—	helix corrugated copper pipe	14 15.5
S13		RFF 1/2 - (SERIAL) (super flexible)	50	—	3.95	foam polyethene	9.0	helix corrugated copper pipe	11.9 13.5
S14		FSJ4-50 (HELIAX ANDREW) (super flexible)	50	—	3.8	foam polyethene	—	corrugated copper pipe	12.2 13.5
S14		LDF4-50A (HELIAX ANDREW)	50	—	4.8	foam polyethene	—	corrugated copper pipe	14 16
S12	5/8 -	HJ8.5-50 (HELIAX ANDREW)	50	—	5.8	air dielectric	—	helix corrugated copper pipe	19.7 22.2
S11	7/8 -	VXL1-50 (HELIAX ANDREW)	50	helix copper pipe	9.4	foam polyethene	—	helix corrugated copper pipe	24.9 27.5
S12		HJ9.50 (HELIAX ANDREW)	50	copper pipe	9.1	air dielectric	25.2	helix corrugated copper pipe	25.7 28.2
S13		RFF 7/8 - (SERIAL) (super flexible)	50	copper pipe	9.1	foam polyethene	25.2	helix corrugated copper pipe	23.5 26.7

Cable Cross Reference

cable part number	size in inch	cable type	diameter size Φ (mm)					
			Center conductor	out diameter	out diameter of insulator	out diameter of shield	out diameter of jacket	
S90	1/2 - 1/2"AXSUPER	50	—	3.5	—	—	10.2	11.5
S40	1/2 - FXLSUPER	50	5	—	—	—	13.6	15.4
S61	LMR400	50	2.74	7.24	7.24	8.13	10.29	
S62	RG8X	75	0.9	4.9	5.9	5.9	7.3	
S63	RG-11	75	2.17	7	8.7	8.7	10.67	
S64	LL-335	50	2.5	—	—	7.1	8.4	
S05	TOPLX-RG401	50	1.8	5	5	6.5	7	
S08	—	50	—	—	—	—	—	
S07	LMR-240	50	—	—	—	—	—	
S08	SU-50-7-5	50	2.6	7.2	7.7	7.7	10.5	
S66	—	50	3.6	8.9	9.4	9.4	12.1	
S10	—	50	1.8	4.6	5.6	5.6	7.6	
S12	—	50	—	6.5	7.5	7.5	10	
S13	—	50	1.3	3.3	3.3	4.4	5	
S14	—	50	0.7	2	2	3.5	12.2	
S15	Astrolab 32550	50	1.3	—	—	—	5.5	
S16	LD35	50	1.45	4.95	4.95	4.95	5.97	
S17	—	75	0.81	—	5.15	—	7.8	
S17	MICRO CONSUPERMAL	50	1.45	3.9	4.5	4.5	5.15	
S18	MICRO CONSUPERMAL	50	2.3	—	6.3	7.35	7.85	
S19	MICROCOAX	50	0.89	2.99	2.99	4.47	5.49	
S20	EZ73 HBMA	—	—	—	—	—	—	
S21	—	50	1.5	4	4	5	6	
S22	—	50	1.3	3.5	3.5	4.5	5.2	
S23	—	50	2.28	5.9	5.9	6.5	7.4	
S24	—	50	1.8	3.8	4.8	5	5.5	
S25	LMR-600	50	4.47	11.96	12.45	12.45	15	
S26	RG-8	75	—	4.6	4.6	4.6	6.8	
S27	—	75	1.7	7.1/2	8.66	8.66	10.397	
S28	—	50	0.86	2.8	2.8	3.4	3.9	
S29	VOLEX	50	1.42	3.81	3.81	4.52	6.1	
S30	TIMES MICROWAVE (TMS)	50	1.4	3.78	3.7	4.7	5.7	
S31	ZEON	50	2.9	7.3	8.2	9.4	9.9	
S32	NXP-FR	50	3.5	10	11	11	13	
S33	APPF	100	—	—	—	—	—	
S34	SD-FR	50	1.8	5	5.9	7.4	8	
S35	RG-FR	50	2.8	7.8	7.8	9.8	10.4	
S36	120-FR	50	4.4	12.4	13.3	13.6	15.6	
S37	SFR-50-11	50	3.5	7.3	9.1	9.1	9.2	

Cable Cross Reference

cable part number	size in inch	cable type	diameter size Φ (mm)					
			Center conductor	out diameter	out diameter of insulator	out diameter of shield	out diameter of jacket	
S38	—	—	100	1.3	2.7	3.3	0-4.2	
S39	—	Sentflex LA200	50	—	—	—	—	
S40	—	Times SFT25F	50	1.26	3.8	4.67	5.12	
S41	—	—	50	1.8	5.1	5.8	6.7	
S42	LMR-195	—	50	0.94	2.79	3.53	4.95	
S44	LMR-200-50	50	1.12	2.95	3.95	3.66	4.95	
S45	LMR-200-75	75	0.7	2.95	3.66	3.66	4.95	
S46	LMR-240-75	75	0.9	4	4.52	6.1		
S47	LMR-400-75	75	1.8	7.6	8.6	10.3	10.3	
S48	LMR-600-75	75	2.1	11.56	12.45	14.59