

CABLE CROSS REFERENCE

CERNEX, Inc.

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
			composing	out diameter			
2	SYV-50-1 SFF-50-1	50	7 $\times$ 0.09	0.27	0.87 $\pm$ 0.05	1.45S	1.9 $\pm$ 0.1
	RG-178/U	50	7 $\times$ 0.1	0.30	0.91	1.37S	2.01 $\pm$ 0.1
	RG-196/U	50	7 $\times$ 0.1	0.30	0.86	1.37S	2.03
	SFF-75-1	75	Single core	0.17	0.87	1.37S	1.80
3	SYV-50-2-1	50	7 $\times$ 0.16	0.48	1.5 $\pm$ 0.1	2.1S	2.9 $\pm$ 0.1
	SFF-50-1.5-1	50	7 $\times$ 0.18	0.54	1.5 $\pm$ 0.1	2.1S	2.55 $\pm$ 0.15
	RG-174/U	50	7 $\times$ 0.16	0.48	1.52	2.24S	2.54
	RG-316/U	50	7 $\times$ 0.17	0.51	1.52	2.06S	2.59
	RG-188/U	50	7 $\times$ 0.18	0.54	1.52	2.06S	2.79
	SFF-75-1.5-1	75	7 $\times$ 0.1	0.30	1.50	---	2.55
	SFF-75-1.5-2	75	7 $\times$ 0.1	0.30	1.50	---	3.2
	SYV-75-2	75	7 $\times$ 0.08	0.24	1.50	2.1S	2.9 $\pm$ 0.1
	RG-179B/U	75	7 $\times$ 0.1	0.30	1.60	2.13S	2.54
3A	RG-316DT	50	7 $\times$ 0.17	0.51	1.60	2.22D	2.80
4	SFF-50-2-1	50	Single core	0.73	2.2	-S	3.3 $\pm$ 0.2
	SFF-75-2	75	Single core	0.41	2.2	---	3.2
4A	SYV-50-2-2	50	7 $\times$ 0.23	0.68	2.2	3.1D	4.0
	SFF-50-2-2	50	Single core	0.73	2.2	-D	4.0
5	SFF-50-3-1	50	Single core	0.93	3.0	-S	4.5 $\pm$ 0.25
	SYV-50-3	50	Single core	0.90	3.0	3.85S	5.0 $\pm$ 0.25
	RG-141A/U	50	Single core	0.99	2.95	3.71S	4.83
	RG-58C/U	50	Single core	0.90	2.95	3.81S	4.95
	RG-303/U	50	Single core	0.99	2.95	3.71S	4.32
	RG-58/U	53.5	Single core	0.81	2.95	3.60S	4.95
	SYV-75-3	75	7 $\times$ 0.17	0.51	2.95	3.85S	5.0 $\pm$ 0.25
	SFF-75-3-1	75	Single core	0.55	3.0	-S	4.5
5A	SFF-75-3-2	75	Single core	0.55	3.0	-D	5.5
	SFF-50-3-2	50	Single core	0.93	3.0	-D	5.5D
	RG-55/U	53.5	Single core	0.81	2.95	4.20D	5.23
	RG-142B/U	50	Single core	0.99	2.95	4.34D	4.95
	RG-223/U	50	Single core	0.89	2.95	4.47D	5.49
	RG-400/U	50	19 $\times$ 0.18	0.99	2.95	4.34D	4.95
6	RG-59B/U	75	Single core	0.58	3.71	4.85S	6.15
	RG-140/U	75	Single core	0.64	3.71	4.47S	5.92
	SYV-50-5-2	50	Single core	1.37	4.6 $\pm$ 0.20	6.20D	7.8 $\pm$ 0.30
	RG-5A/U	50	Single core	1.29	4.60	6.30D	8.33
1、Letters in out diameter of shields: S: single comb shield D: double comb shield							

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			composing	out diameter			
6	RG-212/U	50	Single core	1.44	4.70	6.30D	8.43
	RG-222/U	50	Single core	1.41	4.70	6.30D	8.43
	RG-21/U	53	Single core	1.29	4.70	6.30D	8.43
	RG-6A/U	75	Single core	0.72	4.70	6.30D	8.43
7	SYV-50-7-1	50	7×0.75	2.26	7.3 ± 0.25	8.5S	10.2 ± 0.30
	RG-165/U	50	7×0.80	2.40	7.25	8.64S	10.40
	RG-213/U	50	7×0.75	2.26	7.25	8.64S	10.29
	RG-215/U	50	7×0.75	2.26	7.25	8.64S	12.07*
	RG-8/U	52	7×0.72	2.17	7.24	8.20S	10.29
	RG-10/U	52	7×0.72	2.17	7.24	8.20S	12.07*
	SYV-75-7	75	7×0.4	1.20	7.25 ± 0.25	8.50S	10.2 ± 0.30
	RG-11/U	75	7×0.4	1.20	7.24	8.20S	10.29
	RG-144/U	75	7×0.45	1.35	7.25	8.38S	10.40
	RG-214/U	50	7×0.75	2.26	7.25	9.14D	10.80
	RG-225/U	50	7×0.79	2.38	7.24	9.14D	10.92
	RG-9/U	51	7×0.72	2.17	7.11	8.70D	10.67
8	SYV-50-7-2	50	7×0.75	2.26	7.3 ± 0.25	9.30D	11.2 ± 0.30
9	SYV-50-9	50	---	2.85	9.0 ± 0.30	10.2	12.4 ± 0.40
	RG-119/U	50	---	2.59	8.43	10.52D	11.81
10	SYV-50-12	50	---	3.6	11.5 ± 0.4	12.8	15 ± 0.50
	RG-34/U	71	7×0.72	2.17	11.56	12.9	15.88
	RG-217/U	50		2.69	9.40	11.76D	15.62
11	SYV-50-15	50		4.62	15 ± 0.50	16.4	19 ± 0.50
12	SYV-75-3	75		0.51	3 ± 0.15	3.85S	5 ± 0.25
13	SYV-75-5-1/2	75		0.72、0.78	4.60 ± 0.20	5.5S	7.1 ± 0.30
15	SYV-75-7	75	7×0.40	1.20	7.3 ± 0.25	8.50S	10.2 ± 0.30
16	SYV-75-9	75		1.37	9 ± 0.30	10.2	12.4 ± 0.40
17	SYV-75-15	75		2.46	15 ± 0.50	16.4	19 ± 0.50
18	SYV-75-17	75		2.85	17.3 ± 0.70	19.3	22.2 ± 0.60
19	SYV-100-7			0.6	7.3 ± 0.25	8.5	10.2 ± 0.30
20	SIV-7 SDY-7			0.3	6.6 ± 0.20		9.6
21	SDY-4			0.64	3.7 ± 0.25		6.2 ± 0.40
22	SXM-50-7	50		1.68	7.3 ± 0.30		9.9 ± 0.60
23	SXH-50-9	50		1.4	8.7 ± 0.40		14.5 ± 0.90
24	SXH-75-5	75		0.78	5.4 ± 0.30		9.2 ± 0.60
25	SXM-75-5	75		0.68	5.5 ± 0.30		8 ± 0.50
Note: 1、Letters in out diameter of shield: S: single comb shield D: double comb shield							

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			composing	out diameter			
26	SX-75-6	75		0.78	6 ± 0.30		6.8 ± 0.40
27	SYV-50-5-1	50		1.37	4.6 ± 0.20	5.5S	7 ± 0.30
28	SYV-50-5-2	50		1.37	4.6 ± 0.20	6.2D	7.8 ± 0.30
29	SYV-50-17	50		5.2	17.3 ± 0.70	19.3	22.2 ± 0.60
30	SYV-50-5-23-1/2	50		6.85	23 ± 0.10	25.4 ± 0.10	28.8 ± 0.70
31	SYV-50-5-28-1/2			8.25	28 ± 0.10	30 ± 0.10	34.5 ± 0.8
32	SYV-75-2	75	7×0.08	0.24	1.5 ± 0.10	$2.1S \pm 0.10$	2.9 ± 0.1
33	SYV-75-12	75		1.92	11.5 ± 0.40	12.8	15 ± 0.5
34	SYV-75-23-1/2	75		3.18	23 ± 1.0	25 ± 0.10	28.8 ± 0.70
35	SYV-75-28-1/2	75		4.5	28 ± 1.0	30 ± 0.10	34.5 ± 0.80
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	
	RG405/U	50	Single core	0.51	1.67	2.2	
B3	SFT-50-3-1	50	Single core	0.93	3.0	3.6	
	SFT-75-3	75	Single core	0.55	3.0	3.6	
	RG-402/U	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: 1、Letters in out diameter of shield: S: single comb shield D: double comb shield							

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cable part number	size in inch	cable type	characteristic impedance Ω	diameter sizeΦ（mm）							
				center conductor		Insulation		out conductor		out diameter of jacket	
				composing	out diameter	composing	out diameter	composing	out diameter		
501	1/4 "	RFF1/4 " -50(NK) (super flexible)	50	copper line	1.9	foam polythene	4.8	helix corrugated copper pipe	6.4	7.4	
		FSJ1-50A (HELIAX ANDREW) (super flexible)	50	copper line	1.9	foam polythene	4.7	helix corrugated copper pipe	6.4	7.4	
		502	HS1RP-50A (HELIAX ANDREW)	50	copper line	---	air dielectric	4.7	helix corrugated copper pipe	6.4	7.4
		504	LDF1-50 (HELIAX ANDREW)	50	copper line	2.6	foam polythene		corrugated copper tube cable	7.7	8.8
511	3/8 "	SYFY-50-7-51	50	copper line	3.1	foam polythene	---	helix corrugated copper pipe	9.7	11	
512		HST2-50 (HELIAX ANDREW)	50	copper line	---	air dielectric	---	helix corrugated copper pipe	9.5	10.5	
513		RFF 3/8 " --50(NK) (super flexible)	50	copper line	2.6	foam polythene	6.5	helix corrugated copper pipe	9.0	10.1	
		FSJ2-50 (HELIAX ANDREW)	50	---	2.8	air dielectric	---	helix corrugated copper pipe	9.5	10.5	
532	1/2 "	HLT4-50T (HELIAX ANDREW)	50	---	4.8	air dielectric	---	helix corrugated copper pipe	14	15.5	
533		RFF 1/2 " --50(NK) (super flexible)	50		3.55	foam polythene	9.0	helix corrugated copper pipe	11.9	13.5	
		FSJ4-50 (HELIAX ANDREW) (super flexible)	50	---	3.6	foam polythene	---	helix corrugated copper pipe	12.2	13.5	
534		LDF4-50A (HELIAX ANDREW)	50	---	4.6	foam polythene	---	corrugated copper tube cable	14	16	
542	5/8 "	HJ4.5-50 (HELIAX ANDREW)	50	---	6.9	air dielectric	---	helix corrugated copper pipe	19.7	22.2	
551	7/8 "	VXL5-50 (HELIAX ANDREW)	50	helix copper pipe	9.42	foam polythene	---	helix corrugated copper pipe	24.9	27.5	
552		HJ5-50 (HELIAX ANDREW)	50	copper pipe	9.1	air dielectric	---	helix corrugated copper pipe	25.7	28.2	
553		RFF 7/8 " --50(NK) (super flexible)	50	copper pipe	9.1	foam polythene	23.2	helix corrugated copper pipe	23.5	28.7	

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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
500	1/2 " SFX500PE	50	3.5	---	10.2	11.5
540	1/2 " FXL540PE	50	5	---	13.6	15.4
601	LMR400	50	2.74	7.24	8.13	10.29
602	RG6-5	75	0.9	4.9	5.9	7.3
603	RG-11	75	2.17	7	8.7	10.67
604	LL-335	50	2.5	---	7.1	8.4
605	TEFLX-RG401	50	1.6	5	6.5	7
606	---	50	---	---	---	---
607	LWR 240	50	---	---	---	---
608	SUJ-50-7-5	50	2.6	7.2	7.7	10.5
609	---	50	3.0	8.9	9.4	12.1
610	---	50	1.8	4.6	5.6	7.8
612	---	50	3	6.5	7.5	10
613	---	50	1.3	3.3	4.4	5
614	---	50	3.2	9	9.5	12.2
615	Astrolab 32055	50	1.5	---	---	5.5
	LI235	50	1.45	4.06	4.85	5.97
616	---	75	0.81	5.15	---	7.9
617	MICOV COAX(0UFB205A)	50	1.45	3.9	4.5	5.15
618	MICOV COAX(0UFB311A)	50	2.24	6.3	7.25	7.85
619	RG 223/V	50	0.89	2.95	4.47	5.49
620	E3T3 1809A	---	---	---	---	---
621	---	50	1.5	4	5	6
622	---	50	1.3	3.5	4.5	5.2
623	---	50	2.26	5.9	6.5	7.4
624	---	50	1.6	3.8	4.8	5.5
625	LMR-600	50	4.47	11.56	12.45	14.99
626	RG-6	75	1	4.6	5.4	6.9
627	---	75	1.7	7.112	8.66	10.287
628	---	50	0.95	2.8	3.4	3.9
629	VOLEX	50	1.42	3.81	4.52	6.1
630	7116-50-01 (SUHNER CABLE)	50	1.4	3.78	4.7	5.7
631	7D-FB	50	2.6	7.3	8.2	9.8
632	10D-FB	50	3.5	10	11	13
633	AFPF	100	---	---	---	---
634	5D-FB	50	1.8	5	5.9	7.5
635	8D-FB	50	2.8	7.8	8.8	10.4
636	12D-FB	50	4.4	12.4	13.3	15.6
637	SFB-50-7	50	2.5	7.3	8.1	9.2

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638	---	100	1.3	2.7	3.3	$\Phi 4.2$
639	Semflex LA290	50	---	---	---	---
640	Times SFT20F	50	1.26	3.8	4.67	5.12
642	---	50	1.6	5.1	5.8	7.2
643	LMR-195	50	0.94	2.79	3.53	4.95
644	LMR-200-50	50	1.12	2.95	3.66	4.95
645	LMR-200-75	75	0.7	2.95	3.66	4.95
646	LMR-240-75	75	0.9	4	4.52	6.1
647	LMR-400-75	75	1.6	7.4	8.13	10.3
648	LMR-600-75	75	2.1	11.56	12.45	14.99

