



Size	Stranding	Bare				Weather - Resistant				
		Weight Lbs./1000'	Dia. In.	Breaking Strength Lbs. (3)	Dia. In. W/Line Guard	Neoprene (1)		Polyolefin (2)		
						Weight Lbs./1000'	Dia. In.	Weight Lbs./1000'	Dia. In.	Breaking Strength LBS. (3)
Copper & Copperweld										
#8 CU	Solid	50	.129	826		68	.223	56	.191	826
#8A CWC	2/1	74	.199	2233		-	-	-	-	-
#6 CU	Solid	80	.162	1280		101	.256	87	.225	1280
#4 CU	Solid	126	.204	1970		152	.298	136	.267	1970
#2 CU	7	205	.292	3045		248	.386	230	.386	3045
#1/0 CU	7	326	.368	4752		398	.493	367	.493	4752
#2/0 CU	7	411	.414	5927		494	.539	458	.539	5927
#4/0 CU	7	653	.522	9154		761	.647	715	.647	9154
300 KCM CU	19	926	.629	13510		1073	.785	996	.754	8718(SD)
350 KCM CU	19	1081	.679	15590		1240	.835	1157	.804	10170(SD)
500 KCM CU	37	1544	.813	22510		1759	1.001	1648	.969	14530(SD)
1000 KCM CU	61	3088	1.152	43830		3458	1.402	3290	1.371	29060(SD)
All Aluminum										
#6	Solid	24.2	.162	495		46	.256	32	.225	470
#4	Solid	38.4	.204	787		64	.298	48	.267	747
#2	7	62.3	.292	1267		105	.386	87	.386	1204
#1/0	7	99.1	.368	1864		171	.493	140	.493	1771
#3/0	7	157.5	.464	2847		251	.589	211	.589	2705
#4/0	7	198.6	.522	3590	.764	306	.647	260	.647	3411
336.4 KCM	19	315.7	.666	5945	.958	472	.822	390	.791	5648
477 KCM	19	447.8	.793	8091	1.085	-	-	548	.951	8161 (37 STRD)

- NOTES:** (1) For reference only. Neoprene covering no longer purchased
 (2) The type of polyolefin covering is low-density thermoplastic polyethylene.
 (3) All copper conductors are hard-drawn unless designated as soft-drawn (SD).



Bare						Weather - Resistant				
						Neoprene (1)		Polyolefin (2)		
Size	Stranding	Weight Lbs./1000'	Dia. In.	Breaking Strength Lbs. (3)	Dia. In. W/Line Guard	Weight Lbs./1000'	Dia. In.	Weight Lbs./1000'	Dia. In.	Breaking Strength Lbs. (3)
ACSR										
#2	6/1	91.3	.316	2790	.558	139	.409	119	.409	2651
#2	7/1	106.7	.325	3525	.567	-	-	-	-	-
#1/0	6/1	145.2	.398	4280	.640	224	.523	191	.523	4066
#2/0	6/1	183.1	.447	5345	.689	-	-	-	-	-
#3/0	6/1	230.8	.502	6675	.744	334	.627	290	.627	6341
336.4 KCM	18/1	366	.684	8950	.976	-	-	-	-	-
336.4 KCM	26/7	463	.721	14050	1.013	-	-	-	-	-
477 KCM	26/7	657	.858	19430	1.150	-	-	-	-	-
795 KCM	26/7	1094	1.108	31200	1.400	-	-	-	-	-

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ACSR	
Size	Stranding
#2	6/1
#1/0	6/1
#4/0	6/1
336.4 KCM	18/1
477 KCM	18/1

135 Mills Cross-Linked Polyethylene (XLPE) Tree Wire			
Weight Lbs./1000'	Covered Dia.-In.	Bare Dia.-In.	Breaking Strength Lbs.
183	.586	.316	2651
252	.668	.398	4066
442	.833	.563	7999
534	.954	.684	8500
720	1.084	.814	11690

Secondary and Service Cable									
Power Conductors				Bare Neutral Messenger					
Type	Size		Bare Dia. In.	Size			Dia. - In.	Breaking Strength- Lbs.	Weight - Lbs. Per 1000 Feet
Secondary Cable	#1/0	7-Str. Al.	.368	123.3	7 Str.	AAAC	.398	4415	428
	#4/0	19 Str. Al.	.528	246.9	7 Str.	AAAC	.563	8475	778
	336.4 KCM	19 Str. Al.	.666	394.5	19-Str.	AAAC	.721	12830	1239
TRIPLEX	2 - #2	7-STRD Al.	.292	#4	AAAC	7 STRD	.250	1740	220
	2 - #2	7-STRD Al.	.292	#4	ACSR	6/1 STRD	.250	1830	229
	2 - #1/0	7-STRD Al.	.368	#2	ACSR	6/1 STRD	.316	2790	387
	2 - #1/0	7-STRD Al.	.368	#2	AAAC	7 STRD	.316	2775	353
DUPLEX	1 - #6	Solid Al.	.162	#6	ACSR	6/1 STRD	.198	1170	73
	1 - #6	Solid Al.	.162	#6	AAAC	7 STRD	.198	1095	65.6
QUADRUPLEX	3 - #1/0	7-STRD Al.	.368	#1/0	ACSR	6/1 STRD	.398	4280	569
	3 - #3/0	19-STRD Al.	.470	#3/0	ACSR	6/1 STRD	.502	6675	879
	3 - 336.4	19-STRD Al.	.666	336.4	ACSR	18/1 STRD	.684	8950	1558

PHYSICAL CHARACTERISTICS - DISTRIBUTION AND SUBTRANSMISSION OVERHEAD CONDUCTORS

Minimum Bending Radii for Insulated Conductors		
Conductor	Size	Minimum Bending Radius
Preassembled 300V Service Cable and Cabled Secondary	#6 Al	1"
	#4 Al	2"
	#2 Al	2"
	#1/0 Al	2"
	#3/0 Al	2"
	#4/0 Al 336 KCM Al	3" 4"
600V Conductors for Lashed Services and Direct Burial	#4 Cu	2"
	#2 Cu	2"
	#1/0 Cu	3"
	#4/0 Cu	3"
	350 KCM Cu	4"
	500 KCM Cu	5"
	1000 KCM Cu	7"
	#1/0 Al	3"
	#3/0 Al	3"
	350 KCM Al 750 KCM Al	4" 7"
5000V Cable Non-Shielded	#4 Cu	2"
	#2 Cu	3"
	#1/0 Cu	3"
	#4/0 Cu	4"
	350 KCM Cu	4"