

BUILDING WIRE – RWU90 XLPE

POWERsonic c Number	AWG or MCM Size	Insulation Thickness		Nominal Diameter Over Cable		Nominal Cable Weight				Ampacity* 30°C Ambient Temp			
						Copper		Aluminum(ACM)		Copper		Aluminum (ACM)	
		MM	IN.	MM	IN.	KG/K M	LBS./ 1000F T	KG/K M	LBS./ 1000F T	Free Air	Condu it	Free Air	Condu it
P76U02	14	1.52	.060	5.23	0.206	43	29		.	20	15	-	-
P76U04	12	1.52	.060	5.69	0.224	58	39		.	25	20	-	-
P76U06	10	1.52	.060	6.27	0.247	79	53	-	-	40	30	-	-
P76U07	8	2.03	.080	8.15	0.321	131	88	-	-	70	45	-	-
P76U08	6	2.03	.080	9.09	0.358	185	124	78	52	100	65	80	55**
P76U09	4	2.03	.080	10.29	0.405	269	181	107	72	135	85	105	65
P76U10	3	2.03	.080	10.67	0.42	295	198	128	86	155	105	120	75
P76U11	2	2.03	.080	11.79	0.464	399	268	152	102	180	120	140	95**
P76U12	1	2.41	.095	13.54	0.535	506	340	197	132	210	140	165	105
P76U13	1/0	2.41	.095	14.55	0.573	621	417	236	159	245	155	190	120
P76U14	2/0	2.41	.095	15.67	0.617	761	511	284	191	285	185	220	145
P76U15	3/0	2.41	.095	16.92	0.666	935	628	341	229	330	210	255	165
P76U16	4/0	2.41	.095	18.39	0.724	1154	775	415	279	385	235	300	185
P76U17	250McM	2.79	.110	20.62	0.812	1381	928	497	334	425	265	330	215
P76U18	300MCM	2.79	.110	21.34	0.84	1529	1027	578	388	480	295	375	240
P76U19	350MCM	2.79	.110	23.24	0.915	1880	1263	662	445	530	325	415	260
P76U20	400MCM	2.79	.110	24.46	0.963	2124	1427	740	497	575	345	450	290
P76U21	500MCM	2.79	.110	26.59	1.047	2614	1756	901	605	660	395	515	330
P76U22	600McM	3.17	.125	28.4	1.12	2981	2003	1082	727	740	455	585	370
P76U23	750MCM	3.17	.125	31.2	1.23	3694	2482	1317	885	845	500	670	405
P76U24	1000MCM	3.17	.125	35.3	1.39	4885	3285	1719	1155	1000	585	800	480

* **Based on Canadian Electrical Code Part 1 (Seventeenth Edition —1994). Tables 1 &3 (Single conductors in free air). Tables 2 & 4 (Three conductors in raceway (conduit))

**For 3-wire 120/240- and 120/208-v residential services or feeder the allowable ampacity for sizes No. 2 and No. 6 AWO shall be 100A and 600A, respectively. In this case the 5% adjustment per Rule 8-106 (1) cannot be applied.

Add "A" for Aluminum Conductor (I.E. P76U02A)

Applications: RWU90 cable is designed for use in raceways, except cable trays, in dry, damp or wet locations. It may be used for direct earth burial with protection as required by inspection authority. It may also be used for service entrance below ground.

Voltage: 1000V

Temp: 90°C / minus 40° C

Approvals: CSA C22.2 No.38