



# POWER KABEL INC.

## RWU90 COPPER (-40°C) XLPE 1KV 90°C

### APPLICATIONS & FEATURES

RWU90 copper conductors are suitable for use in conduit and raceways installed underground in conduit, in wet locations, and where condensation and moisture accumulations within the conduit do not exceed 90°C conductor temperatures shall not exceed 90°C in wet or dry locations. Voltage rating for RWU90 conductors are 1000 volts. Insulation rated for use to -40°C

### INDUSTRY COMPLIANCES

- Rated at 90°C wet or dry locations
- Insulation rated for use min-40oC max +90°C
- Lead Free-ROHS Compliant
- CSA SPEC. C22.2, NO 38
- Stranded conductors uncoated copper ASTM B787 and ASTM B8.
- Cross-Linked Polyethylene (XLP) insulation per CSA SPEC C22.2.

### CONSTRUCTION

**CONDUCTORS:** Stranded conductors uncoated copper ASTM B787 and ASTM B8  
**INSULATION:** Cross-linked polyethylene (XLPE) insulation per CSA Spec C22.2 No. 38-05.

AWG	NUMBER OF STRANDS	INSULATION THICKNESS (MILS)	APPROX. O.D. INCHES	AMPACITY (30°C AMBIENT)		Approx. Net Wt. (Lbs/1000 ft)
				FREEAIR	CONDUIT	
14	Solid	1.52	0.19	20	15	22
12	Solid	1.52	0.2	25	20	31
10	Solid	1.52	0.22	40	30	44
14	7	1.52	0.19	20	15	23
12	7	1.52	0.21	25	20	32
10	7	1.52	0.24	40	30	46
8	7	2.03	0.31	70	40	76
6	7	2.03	0.35	100	55	110
4	7	2.03	0.39	135	70	164
3	7	2.03	0.42	155	80	201
2	7	2.03	0.45	180	100	248
1	19	2.41	0.52	210	110	313
1/0	19	2.41	0.56	245	125	386
2/0	19	2.41	0.6	285	145	478
3/0	19	2.41	0.65	330	165	592
4/0	19	2.41	0.71	385	195	736
250	37	2.79	0.79	425	215	875
300	37	2.79	0.84	480	240	1038
350	37	2.79	0.89	530	260	1201
400	37	2.79	0.94	575	280	1362
500	37	2.79	1.02	660	320	1685
600	61	3.17	1.13	740	355	2024