



POWER KABEL INC.

RW90-HL COPPER CONDUCTOR -40°C

APPLICATIONS & FEATURES

Type RW90 copper conductors are suitable for use in conduit and raceways installed underground in conduits, in wet locations, and where condensation and moisture accumulations within the conduit do not exceed 90°C. When used as RHH or RHW-2, conductor temperatures shall not exceed 90°C in wet or dry locations. Voltage rating for RW90 conductors is 600 volts. Insulation rated for use to -40°C (UL).

INDUSTRY COMPLIANCES

- Rated at 90°C wet or dry locations
- Insulation rated for use to -40°C (UL)
- Permitted and approved for use per NEC Article 330 for Class 1 Div 2, Class 2 Div 2, and Class 3 Div 1 & 2 industrial hazardous locations
- Sunlight Resistant (6 GA and larger) VW-1 available in all sizes. 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 (XLP) insulation per CSA SPEC C22.2.

AWG	NUMBER OF STRANDS	INSULATION THICKNESS (MILS)	APPROX. O.D. INCHES	ALLOWABLE AMPACITIES			Approx. Net Wt. (Lbs/1000 ft)
				60°C	75°C	90°C	
12	Solid	0.045	0.176	20	20	20	28
10	Solid	0.045	0.199	30	30	30	41
14	7	0.045	0.16	15	15	15	21
12	7	0.045	0.179	20	20	20	30
10	7	0.045	0.202	30	30	30	43
8	7	0.06	0.266	40	50	55	72
6	7	0.06	0.304	55	65	75	106
4	7	0.06	0.352	70	85	95	157
3	7	0.06	0.38	85	100	110	201
2	7	0.06	0.412	95	115	130	237
1	19	0.08	0.481	110	130	150	309
1/0	19	0.08	0.52	125	150	170	382
2/0	19	0.08	0.564	145	175	195	471
3/0	19	0.08	0.614	165	200	225	587
4/0	19	0.08	0.67	195	230	260	729
250 MCM	37	0.095	0.732	215	255	290	861
300 MCM	37	0.095	0.784	240	285	320	1029
350 MCM	37	0.095	0.831	260	310	350	1193
400 MCM	37	0.095	0.875	280	335	380	1354
500 MCM	37	0.095	0.956	320	380	430	1676