

# USE-2, RHH, RHW-2 COPPER CONDUCTOR - 40C

## STANDARDS

Underwriter's Laboratories - Standard UL 44, UL 854 • Federal Specification A-A-59544  
Insulated Cable Engineers Association ICEA S-66-524 • NEMA Publication No. WC-7

SIZE (AWG)	NUMBER OF STRANDS	INSULATION THICKNESS IN MILS XLP	APPROX. O. D. INCHES	ALLOWABLE AMPACITIES*			APPROX. WEIGHT PER 1000 FT. IN POUNDS
				60C	75C	90C	
14	19	.045	.160	15	15	15	21
12	19	.045	.179	20	20	20	30
10	19	.045	.202	30	30	30	43
8	19	.060	.266	40	50	55	72
6	19	.060	.304	55	65	75	106
4	19	.060	.352	70	85	95	157
3	19	.060	.380	85	100	110	201
2	19	.060	.412	95	115	130	237
1	19	.080	.481	110	130	150	309
1/0	19	.080	.520	125	150	170	382
2/0	19	.080	.564	145	175	195	471
3/0	19	.080	.614	165	200	225	587
4/0	19	.080	.670	195	230	260	729
250	37	.095	.732	215	255	290	861
300	37	.095	.784	240	285	320	1029
350	37	.095	.831	260	310	350	1193
400	37	.095	.875	280	335	380	1354
500	37	.095	.956	320	380	430	1676
600	61	.110	1.086	355	420	475	2012

\*Ampacity shown above is per the 2002 National Electrical Code. The above data is approximate and subject to normal manufacturing tolerances.

**CONDUCTORS:** Stranded conductors uncoated copper per ASTM B787 and ASTM B8.  
**CONDUCTORS INSULATION:** Cross-Linked Polyethylene (XLP) insulation per UL-854.  
**SPECIFICATIONS:** Sunlight Resistant (6 GA and larger) VW-1 available in all sizes.  
 Lead Free - ROHS Compliant

## APPLICATION NOTES

Type USE-2 or RHH or RHW-2 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. When used as RHH or RHW-2, conductor temperatures shall not exceed 90°C in wet or dry locations. Voltage rating for USE-2 or RHH or RHW-2 conductors is 600 volts. Insulation rated for use to -40°C (UL).

