

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

STANDARDS

Underwriters 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
				60°C	75°C	90°C	
12	Solid	.045	.171	20	20	20	28
10	Solid	.045	.192	30	30	30	41
14	7	.045	.160	15	15	15	21
12	7	.045	.179	20	20	20	30
10	7	.045	.202	30	30	30	43
8	7	.060	.266	40	50	55	72
6	7	.060	.304	55	65	75	106
4	7	.060	.352	70	85	95	157
3	7	.060	.380	85	100	110	201
2	7	.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 MCM	37	.095	.732	215	255	290	861
300 MCM	37	.095	.784	240	285	320	1029
350 MCM	37	.095	.831	260	310	350	1193
400 MCM	37	.095	.875	280	335	380	1354
500 MCM	37	.095	.956	320	380	430	1676
600 MCM	61	.110	1.086	355	420	475	2012

*Ampacity shown above is per the 2011 National Electric Code. The above data is approximate and subject to normal manufacturing tolerances.

CONDUCTORS:

Stranded conductors uncoated copper ASTM B787 and ASTM B8.

CONDUCTORS INSULATION:

Cross-Linked Polyethylene (XLP) insulation per UL-854.

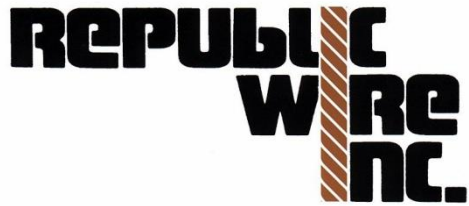
SPECIFICATIONS:

Sunlight Resistant (all sizes and colors) 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 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 USE-2 or RHH or RHW-2 conductors is 600 volts. Insulation rated for use to -40°C (UL).



USE-2 COLORS

***CALL FOR AVAILABILITY**

SIZE	BLACK	GREEN	WHITE	RED	BLUE	ORANGE	BROWN	YELLOW	GRAY
14 SOLID	√	√	√	√	√	√	√	√	√
12 SOLID	√	√	√	√	√	√	√	√	√
10 SOLID	√	√	√	√	√	√	√	√	√
14 STR	√	√	√	√	√	√	√	√	√
12 STR	√	√	√	√	√	√	√	√	√
10 STR	√	√	√	√	√	√	√	√	√
8 STR	√	√	√	√	√	√	√	√	√
6 STR	√	√	√	√	√	√	√	√	√
4 STR	√	√	√	√	√	√	√	√	√
3 STR	√	√	√	√	√	√	√	√	√
2 STR	√	√	√	√	√	√	√	√	√
1 STR	√	√	√	√	√	√	√	√	√
1/0	√	√	√	√	√	√	√	√	√
2/0	√	√	√	√	√	√	√	√	√
3/0	√	√	√	√	√	√	√	√	√
4/0	√	√	√	√	√	√	√	√	√
250 MCM	√	√	√	√	√	√	√	√	√
300 MCM	√	√	√	√	√	√	√	√	√
350 MCM	√	√	√	√	√	√	√	√	√
400 MCM	√	√	√	√	√	√	√	√	√
500 MCM	√	√	√	√	√	√	√	√	√
600 MCM	√	√	√	√	√	√	√	√	√

***SOME COLORS MAY REQUIRE A MINIMUM QUANTITY TO RUN**

CUTTING, STRIPING, AND PARALLELING ARE AVAILABLE UPON REQUEST. SEQUENTIAL FOOT MARKING ON SIZES 1/0 AND LARGER. MCM COLORS ARE MADE TO ORDER.

UL APPROVED FOR:

1. SUNLIGHT RESISTANCE (ALL SIZES AND COLORS)
2. VW-1 AVAILABLE IN ALL SIZES
3. CT USE (1/0 AND LARGER, ALL COLORS)
4. THWN-2 (ALL SIZES AND COLORS)
5. LEAD FREE-ROHS COMPLIANT