



Engineering Specifications:

Standards:

Underwriters Laboratories Standard UL-44, UL-854, Federal Specification A-A-59544
 NEMA WC 70/ICEA S-95-658
 New York State DOS-16120-871222-1048
 NFPA 70: National Electrical Code



Construction:

Conductors:

Stranded conductors, uncoated copper per ASTM-B787 and ASTM-B8

Insulation:

Cross-linked polyethylene (XLPE) insulation per UL-854

Applications:

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. Type USE-2, RHH, RHW-2 is suitable for direct burial per UL-854. 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. Compound is rated sunlight resistant in all colors. 1/0 and larger is rated for CT use.

Size (AWG or kcmil)	Number of Strands	Insulation Thickness XLPE (inches)	Outside Diameter		Allowable Ampacities**			Approx. Net Weight (lbs./1000 ft.)	Standard Packaging
			(inches)	(mm)	60°C	75°C	90°C		
12	19	.045	.179	4.55	20	20	20	30	1000' carton (2x500), 2500' reels
10	19	.045	.202	5.13	30	30	30	43	500' 2500' reels
8	7*	.060	.266	6.76	40	50	50	72	500 1000' 2500' 5000' reels
6	7*	.060	.304	7.73	55	65	65	106	500 1000' 2500' 5000' reels
4	7*	.060	.352	8.94	70	85	85	157	500 1000' 2500' 5000' reels
3	7*	.060	.380	9.66	85	100	110	201	500 1000' 2500' 5000' reels
2	7*	.060	.412	10.47	95	115	130	237	500 1000' 2500' 5000' reels
1	19	.080	.481	12.22	110	130	150	309	500 1000' 2500' 5000' reels
1/0	19	.080	.520	13.21	125	150	170	382	500 1000' 2500' 5000' reels
2/0	19	.080	.564	14.33	145	175	195	471	500 1000' 2500' 5000' reels
3/0	19	.080	.614	15.60	165	200	225	587	500 1000' 2500' 5000' reels
4/0	19	.080	.670	17.02	195	230	260	729	500 1000' 2500' 5000' reels
250	37	.095	.732	18.60	215	255	290	861	500' 1000' 2500' 4000' reels
300	37	.095	.784	19.92	240	285	320	1029	500' 1000' 3500' reels
350	37	.095	.831	21.11	260	310	350	1193	500' 1000' 3000' reels
400	37	.095	.875	22.23	280	335	380	1354	500' 1000' 3000' reels
500	37	.095	.956	24.29	320	380	430	1676	500' 1000' 2500' reels
600	61	.110	1.086	27.59	355	420	475	2012	500' 1000' 2000' reels
750	61	.110	1.188	30.18	400	475	535	2493	500' 1000' 1500' reels
1000	61	.110	1.337	33.96	455	545	615	3287	500' 1000' reels

*8 AWG-2 AWG: 19/w is available by request.

**Allowable ampacity shown above is per the National Electrical Code. The above data is approximate and subject to normal manufacturing tolerances.

PRINT LEGEND:

STRANDED CONDUCTOR 12 AWG THROUGH 8 AWG E174428 (SIZE) TYPE USE-2 OR RHH OR RHW-2 600 VOLTS XLPE (UL) DATE/TIME/OPER/QC
 STRANDED CONDUCTOR SIZES 6 AWG THROUGH 1 AWG E174428 (SIZE) TYPE USE-2 OR RHH OR RHW-2 SUN-RES 600 VOLTS XLPE (UL) DATE/TIME/OPER/QC
 STRANDED CONDUCTOR SIZES 1/0 AWG THROUGH 1000 KCMIL E174428 (SIZE) TYPE USE-2 OR RHH OR RHW-2 SUN-RES 600 VOLTS XLPE (UL) FOR CT USE DATE/TIME/OPER/QC