



ENGINEERING SPECIFICATIONS:

Standards:

Underwriters Laboratories Standards UL-44, UL-854
 Federal Specification A-A-59544
 NEMA WC70/ICEA S-95-658
 NFPA 70: National Electrical Code (NEC)
 UL 1685-FT4/IEEE 1202 (70,000 Btu/hr) Flame Test (1/0 AWG and larger)
 ICEA T-29-520 (210,000 Btu/hr) Flame Test
 NEMA RV4 2009
 ARRA 2009; Section 1605 "Buy American" Compliant

CONSTRUCTION:

Conductors:

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

Insulation:

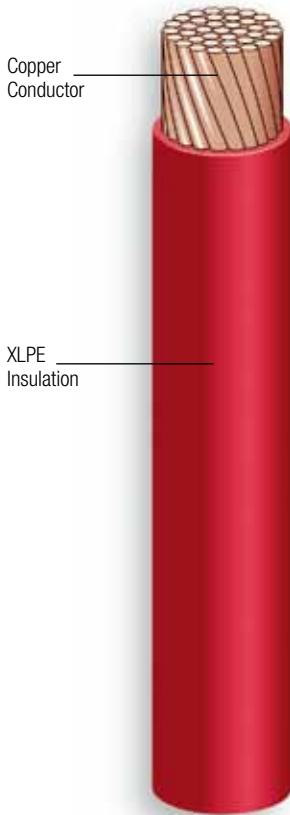
Cross-linked polyethylene (XLPE) insulation per UL-854

Applications:

Type USE-2 or RHH or RHW-2 copper conductors are suitable for use in conduit and raceways installed underground in conduit, wet locations, and where condensation and moisture accumulations within the conduit do not exceed 90°C. Applications requiring direct burial are permitted for Type USE-2, RHH, RHW-2 per UL-854. For applications requiring Type RHH or RHW-2, conductor temperatures shall not exceed 90°C in wet or dry locations. Type USE -2 or RHH or RHW-2 is permitted for 600 volt applications.

Features:

Rated VW-1. 6 AWG and larger rated for Sunlight Resistance in all colors. On 250 KCMIL and larger, sequential foot markings located every foot for easy measuring. For 1 AWG through 4/0 AWG, sequential foot markings on master reels only unless otherwise specified. 1/0 AWG and larger are rated for cable tray use and comply with IEEE 1202/FT4 (70,000 Btu/hr) flame test. When used as RHH or RHW-2, cable also complies with ICEA T-29-520 (210,000 Btu/hr) flame test.



Copper
Conductor

XLPE
Insulation

NOTE: Also available upon request in SuperSlick Elite®.

Type USE-2/RHH/RHW-2 Copper Conductor

Size (AWG or KCMIL)	Number of Strands	Insulation Thickness XLPE (in)	Outside Diameter		Allowable Ampacity (Amps)**			Approximate Net Weight (lbs/1000 ft)	Standard Packaging (ft)
			(in)	(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	55	72	500' 1000' 2500' 5000' reels
6	7*	.060	.304	7.73	55	65	75	106	500' 1000' 2500' 5000' reels
4	7*	.060	.352	8.94	70	85	95	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	1672	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: ENCORE WIRE CORPORATION (SIZE) TYPE USE-2 OR RHH OR RHW-2 VW -1 600 VOLTS XLPE (UL) DATE/TIME/OPER/QC
 STRANDED CONDUCTOR SIZES 6 AWG THROUGH 1 AWG: ENCORE WIRE CORPORATION (SIZE) TYPE USE-2 OR RHH OR RHW-2 VW -1 SUN-RES 600 VOLTS XLPE (UL) DATE/TIME/OPER/QC
 STRANDED CONDUCTOR SIZES 1/0 AWG THROUGH 1000 KCMIL: ENCORE WIRE CORPORATION (SIZE) TYPE USE-2 OR RHH OR RHW-2 VW -1 SUN-RES 600 VOLTS XLPE (UL) FOR CT USE DATE/TIME/OPER/QC