

# Copper USE-2



XLP Insulation  
Underground Service Cable

**Type RHH-90°C (Dry)**

**Type RHW-2-90°C  
(Wet or Dry)**

**600 Volts**

**Sunlight-Resistant**

**Gasoline- and  
Oil-Resistant I & II**

## APPLICATIONS

For use in conduit or suitable for use as underground service entrance cable for direct burial per NEC®. Good choice for industrial applications where better insulation toughness and resistance to moisture and heat are desired. For use as RHH or RHW-2 in wet or dry locations at temperatures up to 90°C. Sunlight-resistant.

## CONDUCTORS

Stranded conductors: Uncoated, soft copper per ASTM-B3, ASTM-B8 (12 AWG-2 AWG and 250 MCM-500 MCM), and ASTM-B787 (1 AWG-4/0)

## INSULATION

XLP (cross-linked polyethylene)

## INDUSTRY STANDARDS

UL 44 (RHH or RHW-2)  
UL 854 (USE-2), File No. E63541  
ASTM-B3  
ASTM-B8  
ASTM-B787  
Federal Specification A-A-59544  
NFPA70: National Electrical Code®  
NEMA WC70/ICEA S-95-658

## SURFACE PRINT

Sample: 2 AWG XLP TYPE RHH OR RHW-2 OR USE-2  
600V SUN RES GASOLINE & OIL RESISTANT I & II (UL) E63541

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MADE IN THE USA

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A Marmon Wire & Cable/  
Berkshire Hathaway Company

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PRODUCT CODE NUMBER	CONDUCTORS		INSULATION THICKNESS MILS.	APPROX. O.D. INCHES	ALLOWABLE AMPACITIES			APPROX. NET WT. LBS./M FT.	UPC CODE
	AWG SIZE	NO. OF STRANDS			60°C **	75°C ***	90°C ****		
120-4000K	8	7	60	0.280	40	50	55	65	048243276516
120-4000M	8	7	60	0.280	40	50	55	65	048243276677
120-4000P	8	7	60	0.280	40	50	55	65	048243276530
120-4200K	6	7	60	0.320	55	65	75	102	048243277018
120-4200P	6	7	60	0.320	55	65	75	102	048243277032
120-4400K	4	7	60	0.370	70	85	95	154	048243277414
120-4400P	4	7	60	0.370	70	85	95	154	048243277438
120-4600K	2	7	60	0.430	95	115	130	236	048243277766
120-4600P	2	7	60	0.430	95	115	130	236	048243277780
120-4700K	1	19	80	0.500	110	130	150	307	048243278169
120-4700P	1	19	80	0.500	110	130	150	307	048243278183
120-5000K	1/0	19	80	0.540	125	150	170	379	048243278268
120-5000P	1/0	19	80	0.540	125	150	170	379	048243678273
120-5200J	2/0	19	80	0.590	145	175	195	466	048243278305
120-5200K	2/0	19	80	0.590	145	175	195	466	048243278312
120-5200P	2/0	19	80	0.590	145	175	195	466	048243278343
120-5400J	3/0	19	80	0.640	165	200	225	580	048243278350
120-5400K	3/0	19	80	0.640	165	200	225	580	048243278367
120-5400P	3/0	19	80	0.640	165	200	225	580	048243278381
120-5600K	4/0	19	80	0.700	195	230	260	719	048243278411
120-5600P	4/0	19	80	0.700	195	230	260	719	048243278442
120-6000K	250	37	95	0.780	215	255	290	861	048243278466
120-6000M	250	37	95	0.780	215	255	290	861	048243278299
120-6800K	350	37	95	0.880	260	310	350	1183	048243278565
120-6800M	350	37	95	0.880	260	310	350	1183	048243278572
120-8000K	500	37	95	1.010	320	380	430	1658	048243278664
120-8000M	500	37	95	1.010	320	380	430	1658	048243278688

\* Per Table 310-16 NEC®

\*\* For termination to equipment for circuits rated 100 amperes or less or marked for Nos. 14 through 1 conductors.

\*\*\* For termination to equipment for circuits rated over 100 amperes or marked for conductors larger than No. 1.

\*\*\*\* RHH in dry locations. RHW-2 and USE-2 in wet or dry locations.

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PRODUCT CODE NUMBER	CONDUCTORS		INSULATION THICKNESS MILS.	APPROX. O.D. INCHES	ALLOWABLE AMPACITIES			APPROX. NET WT. LBS./M FT.
	AWG SIZE	NO. OF STRANDS			60°C **	75°C ***	90°C ****	
120-4000	8	7	60	0.280	40	50	55	65
120-4200	6	7	60	0.320	55	65	75	102
120-4400	4	7	60	0.370	70	85	95	154
120-4600	2	7	60	0.430	95	115	130	236
120-4700	1	19	80	0.500	110	130	150	307
120-5000	1/0	19	80	0.540	125	150	170	379
120-5200	2/0	19	80	0.590	145	175	195	466
120-5400	3/0	19	80	0.640	165	200	225	580
120-5600	4/0	19	80	0.700	195	230	260	719
120-6000	250	37	95	0.780	215	255	290	861
120-6800	350	37	95	0.880	260	310	350	1183
120-8000	500	37	95	1.010	320	380	430	1658

\* Per Table 310-16 NEC®

\*\* For termination to equipment for circuits rated 100 amperes or less or marked for Nos. 14 through 1 conductors.

\*\*\* For termination to equipment for circuits rated over 100 amperes or marked for conductors larger than No. 1.

\*\*\*\* RHH in dry locations. RHW-2 and USE-2 in wet or dry locations.

PACKAGE CODE	J	K	M	P
AWG SIZE	500' REEL	1,000' REEL	2,500' REEL	5,000' REEL
8 STRANDED		X	X	X
6 STRANDED		X		X
4 STRANDED		X		X
2 STRANDED		X		X
1 STRANDED		X		X
1/0		X		X
2/0	X	X		X
3/0	X	X		X
4/0		X		X
250 MCM		X	X	
350 MCM		X	X	
500 MCM		X	X	