

# COPPER USE-2

## Underground Service Entrance Cable

### Polytherm XLP Insulation

- Type RHH-90°C For Dry Locations
- Type RHW-2-90°C For Wet or Dry Locations
- 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 is 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 - 750 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

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	69
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.

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#### SURFACE PRINT

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

Package Code	J	K	R	M	P
AWG Size	500' reel	1000' reel	2000' reel	2500' reel	5000' 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	
400 MCM		X	X		
500 MCM		X		X	