

# Single Conductor Cathodic Protection, HMW-PE 600V

## PRODUCT CONSTRUCTION

**Conductor:** Soft, annealed, stranded copper per ASTM B8.  
**Insulation:** Black, high molecular weight polyethylene (HMW-PE) per ASTM D1248.  
**Temperature:** 75°C  
**Voltage:** 600V



## APPLICATIONS

Suitable for direct burial for use in cathodic protection systems for pipelines, storage tanks, pilings, well casings, cables and other buried or water-submerged metallic structures.

## COMPLIANCES

ICEA S-61-402  
 Suitable for direct burial  
 Resistant to chemicals, oil, moisture and sunlight  
 Crush and abrasion resistant  
 RoHS compliant

Copper Wire and Cable Part #	Conductor		Nominals (inches)			Standard Put-up (reels)	Nominal DC Resistance Ohms/1000 ft. @ 25°C	Product Weight (lbs./1000 ft.)
	AWG	Strand	Cond. O.D.	Insulation	O.D.			
<b>CWC 8-01HMW-PE</b>	8	7	.143	.110	.37	2,500', 5,000'	.652	87
<b>CWC 6-01HMW-PE</b>	6	7	.182	.110	.40	5,000'	.411	122
<b>CWC 4-01HMW-PE</b>	4	7	.229	.110	.45	5,000'	.258	175
<b>CWC 2-01HMW-PE</b>	2	7	.290	.110	.51	1,000', 5,000'	.162	260
<b>CWC 1-01HMW-PE</b>	1	19	.326	.125	.58	2,500'	.129	330
<b>CWC 1/0-01HMW-PE</b>	1/0	19	.367	.125	.62	2,000'	.102	400
<b>CWC 2/0-01HMW-PE</b>	2/0	19	.410	.125	.66	2,000'	.081	495
<b>CWC 4/0-01HMW-PE</b>	4/0	19	.526	.125	.77	2,000'	.051	750
<b>CWC 250-01HMW-PE</b>	250	37	.575	.140	.86	1,000'	.043	900
<b>CWC 350-01HMW-PE</b>	350	37	.681	.140	.96	1,000'	.031	1229