CP Wire

1. High Molecular Weight Polyethylene (HMW-PE) Cathodic Protection Cables: 600 Volts, Single Conductor, Stranded Copper

Application
A direct earth burial DC feeder cable for use in cathodic protection systems, for storage tanks, pipelines, wells, vessels and metallic structures either buried or water submerged.

Standards
1. Conductor
Stranded copper conductor conforms to ASTM B8.
2. Insulation
Insulation is high molecular weight polyethylene conforming to ASTM D1248, Type 1, Class A, Category 5, Grades E4 & E5.

Size	No. of Strands	Circular Mils	AWG Diameter Inches	Insulation Thickness Inches	Nominal Diameter Inches	Weight Lbs per 1000 ft	DC Ohms per Mft at 20°C
#14	7	4,110	.0726	.110	.293	38	2.57
#12	7	6,530	.0915	.110	.311	48	1.62
#10	7	10,380	.116	.110	.340	62	1.02
#8	7	16,510	.146	.110	.370	87	.640
#6	7	26,240	.184	.110	.408	122	.403
#4	7	41,740	.232	.110	.456	175	.254
#2	7	66,360	.283	.110	.510	260	.159
#1	19	83,690	.322	.125	.580	330	.129
#1/0	19	105,600	.362	.125	.620	401	.102
#2/0	19	133,100	.406	.125	.660	492	.081
#4/0	19	211,600	.512	.125	.770	750	.051

2.Cathodic Protection Cables, Primary Halar Insulation, HMW (High Molecular Weight) Polyethylene Jacket

Application
A direct earth burial DC lead cable for use in deep anode groundbed installations, designed to withstand corrosive gases.

Standards
1. Conductor
Stranded bare copper conductor conforms to ASTM B8.
2. Insulation
A homogeneous wall of natural ECTFE fluoropolymer (Halar) shall be extruded over the conductor.
3. Jacket
Insulation is high molecular weight polyethylene conforming to ASTM D1248, Type 1, Class A, Category 5, Grades E4 and E5.

CP Wire

Size	No. of Strands	Circular Mils	AWG Diameter Inches	HALAR Thickness Inches	HMWPE Thickness Inches	Nominal Diameter Inches	Weight Lbs per 1000 ft	DC Ohms per Mft at 20°C
#8	7	16,510	.146	.020	.065	.316	83	.640
#6	7	26,240	.184	.020	.065	.354	120	.403
#4	7	41,740	.232	.020	.065	.402	177	.254
#2	7	66,360	.283	.020	.065	.462	260	.159

3.Cathodic Protection Cables, Primary Kynar Insulation, HMW (High Molecular Weight) Polyethylene Jacket

Application

A direct earth burial, DC lead, cathodic protection cable for use in deep anode groundbed installations, designed to withstand corrosive gases.

Standards

1. Conductor

Stranded bare copper conductor conforms to ASTM Specification B-8.

2. Insulation

A homogeneous wall of natural PVDF fluoropolymer (Kynar) shall be extruded over the conductor.

3. Jacket

Insulation is high molecular weight polyethylene conforming to ASTM-D-1248, Type 1, Class A, Category 5, Grades E4 and E5.

Size	No. of Strands	Circular Mils	AWG Diameter Inches	Kynar Thickness Inches	HMWPE Thickness Inches	Nominal Diameter Inches	Weight Lbs per 1000 ft	DC Ohms per Mft at 20°C
#8	7	16,510	.146	.020	.065	.316	83	.640
#6	7	26,240	.184	.020	.065	.354	120	.403
#4	7	41,740	.232	.020	.065	.402	177	.254
#2	7	66,360	.283	.020	.065	.462	260	.159

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