PERFORMANCE
WIRE & CABLE INC

Performance Wire and Cable Inc.
P.O. Box 126
Camden, NY 13316
Tel. (315) 245-2594
Fax. (315) 245-2595
WWW. PerformanceWire.com

CATHODIC PROTECTION CABLE
KYNAR / HMWPE

DESCRIPTION & FEATURES :

This specification describes a stranded single conductor sizes 8 AWG thru 1/0 AWG with a dual insulation construction. The inner layer or the primary insulation is composed of KYNAR, a fluoropolymer material that has exceptional chemical resistance in the presents of chlorine, sulfuric acid, and hydrochloric acid. The outer insulating layer is high molecular weight polyethylene (HMWPE) it exhibits superior dielectric and tensile strength and provides mechanical protection, and can withstand considerable abuse during installation.

APPLICATION :

KYNAR / HMWPE cables are used as deep anode lead wires where chlorine and hydrogen gases are generated. The cable can be directly installed in fresh, brackish, or salt waters.

STANDARDS :

CONDUCTOR:

Stranded bare or tinned copper conductor conforms to ASTM Spec B-3 and B-8.

PRIMARY INSULATION:

A homogeneous 40 mil wall of natural PVDF fluoropolymer (Kynar) shall be extruded around the conductor.

JACKET:

A 65 mil wall of high molecular weight polyethylene (HMWPE) shall be extruded around the primary insulation. The jacket conforms to ASTM Spec D 1248.

For identification purpose the cable shall be surface printed with, "Manufacturer name, Conductor size, AWG, KYNAR / HMWPE CATHODIC PROTECTION CABLE"

Performance Wire and Cable Inc.
P.O. Box 126
Camden, NY 13316
Tel. (315) 245-2594
Fax. (315) 245-2595
WWW. PerformanceWire.com

CATHODIC PROTECTION CABLE KYNAR / HMWPE

2065

CONDUCTOR				NOMINALS (IN.)				
AWG	Strand	Dia	Cir mils	KYNAR	HMWPE	Dia	Wgt / MFT	DC Ohms
8	7	0.146	16,533	0.020	0.065	0.316	81	0.645
6	7	0.184	26,218	0.020	0.065	0.354	116	0.407
4	7	0.232	41,718	0.020	0.065	0.402	170	0.256
2	7	0.292	66,407	0.020	0.065	0.462	254	0.160

4065

CONDUCTOR				NOMINALS (IN.)				
AWG	Strand	Dia	Cir mils	KYNAR	HMWPE	Dia	Wgt / MFT	DC Ohms
8	7	0.146	16,533	0.040	0.065	0.356	90	0.645
6	7	0.184	26,218	0.040	0.065	0.394	124	0.407
4	7	0.232	41,718	0.040	0.065	0.442	178	0.256
2	7	0.292	66,407	0.040	0.065	0.502	262	0.160
1	19	0.332	83,690	0.040	0.065	0.542	320	0.129
1/0	19	0.373	105,600	0.040	0.065	0.583	393	0.102