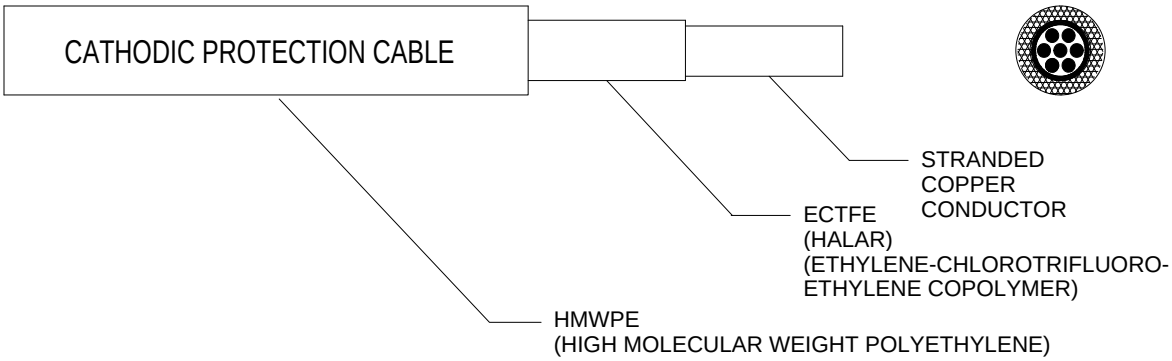
CerAnode™ Technologies International

Division of APS-Materials, Inc. ----------

CerAnode Cable Specification

Halar®/HMWPE



Halar/HMWPE is a recommended anode lead wire cable choice for chloride and other harsh environments. Halar is the trade name for ethylene-chlorotrifluoroethylene (ECTFE). Since the electrochemical reaction at the anode in the presence of chlorides results in free chlorine gas generation causing rapid deterioration of most cable insulation, Halar®/HMWPE cable is preferred for use in harsh corrosive environments such as deep anode beds and other environments where chlorides and other harsh chemicals are present. It is also a good choice for oil environments and applications operating at elevated temperatures up to 150°C (302°F). It is the Halar insulation that provides resistance to these environments. The HMWPE jacket is designed to provide mechanical protection for the Halar during installation. The HMWPE jacket is not expected to survive these environments over extended periods.

Sizes Available

AWG Size (mm^2)	COPPER CONDUCTOR Size (Inches)	ECTFE Wall (Inches)	HMWPE Jacket (Inches)	Cable OD (Inches)	Maximum Breaking Strength (Pounds)	Approx. Wt./Ft (Pounds)	Maximum DC Res. @ 20 C (Ohms/Ft)	Max. DC Current in Air & Water (Amps)
#8 (8.37)	0.146	0.020	0.065	0.316	525	0.083	0.000640	45
#8 (8.37)	0.146	0.040	0.065	0.356	832	0.093	0.000640	45
#6 (13.3)	0.184	0.020	0.065	0.354	1320	0.120	0.000403	65
#6 (13.3)	0.184	0.040	0.065	0.394	1320	0.140	0.000403	65
#4 (21.2)	0.232	0.020	0.065	0.402	1670	0.175	0.000254	85
#4 (21.2)	0.232	0.040	0.065	0.442	1670	0.200	0.000254	85
#2 (33.6)	0.292	0.020	0.065	0.466	2110	0.265	0.000159	115
#2 (33.6)	0.292	0.040	0.065	0.466	2110	0.295	0.000159	115