

at the heart of every project



CP CABLE 600/1000 VOLTS
PYRAMID OFFSHORE ANODE ARMORED CABLE (9COM 6000000957)
DOUBLE ARMORED CATHODIC PROTECTION CABLE



Specification:

17-SAMSS-17(ARAMCO) –
 NORMATIVE

IEC 60502-1,
 ICEA-S-95-658 (NEMA70)-
 INFORMATIVE

APPLICATION:

Designed for use in cathodic systems to protect against galvanic and electrolytic corrosion of underground or submerged metallic objects. Specifically applied to underground pipelines, dams, and lock gates, fresh or salt water steel piles, tank condensers, and ship hulls.

CONSTRUCTION:

Conductor	Plain annealed copper as per ASTM B3 or IEC 60228, and concentric-lay stranded per ASTM B8 Class B or C, or per IEC 60228 Class 2
Insulation	Black High Density High Molecular Weight Polyethylene (HMWPE) as per IEC 60502-1 or ASTM D1248
Bedding	Extruded Polyvinyl Chloride as per IEC60502-1
Armoring	Two layers of Galvanized steel wire spirally wound over bedded cable with complete coverage. First layer shall be right hand lay and second layer shall be left hand lay as per IEC 60502-1
Outer Sheath	High Density High Molecular Weight Polyethylene (HMWPE) extruded over armor as per IEC 60502-1 or ASTM D1248, Type 3, Class C, Category 5.
Printing Text (example)	CP CABLE CU/HMWPE/PVC/SWA/HMWPE 25MM2 600/1000V MESC MADE IN KSA YEAR (at intervals no greater than one meter)

ELECTRICAL PARAMETERS:

Specification	ICEA-S-95-658 (NEMA 70), IEC 60502-1, GEN. TO 17-SAMSS-17 (ARAMCO)
Temperature range	-20°C to + 90°C
Working voltage	600/1000V
Maximum DC Resistance @ 20C	Passes IEC 60228
Test Voltage	As per ICEA S-95-658 Table 3-4
Spark voltage	As per ICEA S-95-658 Table 3-4

DIMENSIONS AND WEIGHT DETAILS

MESC CODE	SIZE	NO. OF STRANDS	NOMINAL INSULATION THICKNESS	NOMINAL BEDDING THICKNESS	APPROX. DIA. OVER BEDDING	STEEL WIRE ARMORING DIAMETER (mm)		OUTER SHEATH THICKNESS	APPROX. OVERALL DIAMETER	APPROX. CABLE WEIGHT
						Layer 1 Size ϕ	Layer 2 Size ϕ			
6612-01C00600-D0BK8-CP	6	7	2.79	1.2	11.4	1.25	1.25	1.6	19.8	970
6612-01C01000-D0BK8-CP	10	7	2.79	1.2	12.3	1.25	1.25	1.6	20.7	1065
6612-01C01600-D0BK8-CP	16	7	2.79	1.2	13.3	1.25	1.25	1.6	21.7	1133
6612-01C02500-D0BK8-CP	25	7	2.79	1.2	14.6	1.6	1.6	1.7	24.6	1652
6612-01C03500-D0BK8-CP	35	7	2.79	1.2	15.8	1.6	1.6	1.7	25.8	1832

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