

CP CABLE 600/1000 VOLTS
POSITIVE CABLE (9COM 6000001045)
DOUBLE INSULATED CATHODIC PROTECTION CABLE

CP CABLE CU/PVDF/HMWPE 35MM2 600/1000V MESC MADE IN KSA



Specification:

17-SAMSS-17(ARAMCO) –
 NORMATIVE
 IEC 60502-1,
 ICEA-S-95-658 (NEMA70)-
 INFORMATIVE

APPLICATION:

For use in Cathodic protection systems for pipelines & marine structures to protect against galvanic and electrolytic corrosion of underground and submerged metallic object.

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
Primary Insulation	Polyvinylidene Fluoride (PVDF)
Secondary Insulation	High Density High Molecular Weight Polyethylene (HMWPE) as per IEC 60502-1 or ASTM D1248, Type 3, Class C, Category 5.
Printing Text (example)	CP CABLE CU/PVDF/HMWPE 35MM2 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, 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	COLOR	SIZE	NO. OF STRANDS	INSULATION THICKNESS (mm)		APPROX. OVERALL DIAMETER	APPROX. CABLE WEIGHT
				Primary	Secondary		
661d-01C01000-U0BK8-CP	BLACK	10	7	0.51	1.65	9.0	108
66ad-01C01600-U0BK8-CP	BLACK	16	19	0.51	1.65	9.9	165
66ad-01C02500-U0BK8-CP	BLACK	25	19	0.51	1.65	11.1	252
66ad-01C03500-U0BK8-CP	BLACK	35	19	0.51	1.65	12.3	348
661d-01C05000-U0BK8-CP	BLACK	50	19	0.51	1.65	13.7	466
661d-01C07000-U0BK8-CP	BLACK	70	19	0.76	1.65	15.8	670
661d-01C09500-U0BK8-CP	BLACK	95	19	0.76	1.65	17.8	926
66ad-01C12000-U0BK8-CP	BLACK	120	19	0.76	1.65	19.3	1159
661d-01C24000-U0BK8-CP	BLACK	240	37	1.14	1.65	26.1	2349