

at the heart of every project



CP CABLE 600 VOLTS
NEGATIVE BOND CABLE (9COM 6000001045)
HMWPE INSULATED CATHODIC PROTECTION CABLE



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
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/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	SIZE	NO. OF STRANDS	INSULATION THICKNESS	APPROX. OVERALL DIAMETER	APPROX. CABLE WEIGHT
	mm ²	N	mm	mm	kg/km
6612-01C00600-U0BK8-CP	6	7	2.79	9.1	109
6612-01C01000-U0BK8-CP	10	7	2.79	10.0	155
6612-01C01600-U0BK8-CP	16	7	2.79	11.0	219
6612-01C02500-U0BK8-CP	25	7	2.79	12.3	315
6612-01C03500-U0BK8-CP	35	7	2.79	13.5	419
6612-01C05000-U0BK8-CP	50	19	2.79	15.0	532
6612-01C07000-U0BK8-CP	70	19	3.18	17.5	747
6612-01C09500-U0BK8-CP	95	19	3.18	19.5	1011
66a2-01C12000-U0BK8-CP	120	19	3.18	21.0	1241
6612-01C18500-U0BK8-CP	185	37	3.94	26.1	1908
6612-01C24000-U0BK8-CP	240	37	3.94	28.8	2462

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