

## ASH CATHODIC PROTECTION CABLES DOUBLE INSULATED CABLES POSITIVE CABLES (9COM 6000001045)

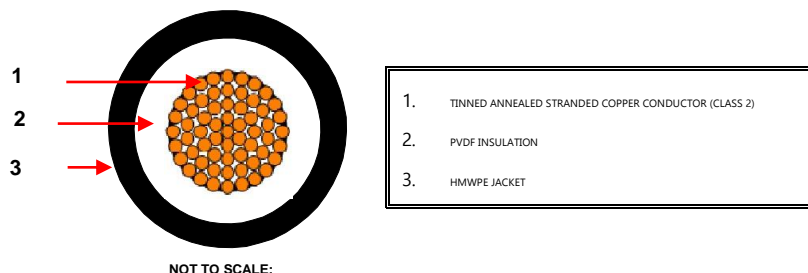
### Cable Features:

Cable that is electrically connected (directly or indirectly) to the positive output terminal of an ICCP power supply, including impressed current anode cables.

<b>Cable Range Size</b>	<b>6 AWG TO 500 MCM (16 MM<sup>2</sup> TO 240 MM<sup>2</sup>)</b>
<b>Reference Standard</b>	SAUDI ARAMCO 17-SAMSS-017, ICEA-S-95-658 (NEMA WC 70) or generally, IEC 60502-1

### CONSTRUCTION DETAILS

<b>Conductor</b>	<b>Material</b>	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
<b>Primary Insulation</b>	<b>Material</b>	Polyvinylidene Fluoride (PVDF) Irradiation Cross-Linked
<b>Secondary Insulation</b>	<b>Material</b>	High Density High Molecular Weight Polyethylene (HMWPE) ASTM D 1248, Type 3, Class C, Category 5, or IEC 60502-1
	<b>Color Identification</b>	Black or Any colors (As per customer request)
<b>Printing</b>		ASH CP CABLE (SIZE)MM <sup>2</sup> CU/PVDF/HMWPE 600/1000V GEN. TO IEC 60502-1 ASHCABLES MADE IN KSA (YEAR OF MANUFACTURE) (METER MARKING) (at intervals of no greater than one meter)



### DIMENSIONAL DATA

S.No	ASH CABLES Item Code	CABLE		No. of wire Strands	PVDF Insulation Thickness Nom (mm)	HMWPE Insulation Thickness Nom (mm)	Approx. Overall Diameter (mm)	Weight of Finished Cable Approx. (kg/Km)	Standard Packing Length (m) ±5%
		NO. OF CORE	SIZE (MM <sup>2</sup> )						
1	RP3J-01C01600-UBK6H	1C	16	19	0.51	1.65	9.50	215	1000
2	RP3J-01C02500-UBK6H	1C	25	19	0.51	1.65	10.80	315	1000
3	RP3J-01C03500-UBK6H	1C	35	19	0.51	1.65	12.00	415	1000
4	RP3J-01C05000-UBK6H	1C	50	19	0.51	1.65	13.20	545	1000
5	RP3J-01C07000-UBK6H	1C	70	19	0.76	1.65	15.50	780	1000
6	RP3J-01C09500-UBK6H	1C	95	19	0.76	1.65	17.40	1045	1000
7	RP3J-01C12000-UBK6H	1C	120	19	0.76	1.65	19.00	1295	1000
8	RP3J-01C18500-UBK6H	1C	185	37	1.14	1.65	23.30	1980	1000
9	RP3J-01C24000-UBK6H	1C	240	37	1.14	1.65	25.90	2530	1000

Cable Dia. Tolerance:

±2.0mm for outer diameter of ≤ 25 mm.

±2.5mm for outer diameter of ≥ 26 mm.

ELECTRICAL PROPERTIES		CONDUCTOR SIZE (MM <sup>2</sup> )								
CONDUCTOR (DC) RESISTANCE @ 20°C (Ω/Km) PLAIN Cu	UNIT	16 MM <sup>2</sup>	25 MM <sup>2</sup>	35 MM <sup>2</sup>	50 MM <sup>2</sup>	75 MM <sup>2</sup>	95 MM <sup>2</sup>	120 MM <sup>2</sup>	185 MM <sup>2</sup>	240 MM <sup>2</sup>
	Ω/Km	1.15	0.727	0.524	0.387	0.268	0.193	0.153	0.0991	0.0754
<b>Voltage Test</b>	According to ICEA-S-95-658, Table 3-4, or BS 5099									
<b>Spark Test</b>	According to ICEA-S-95-658, Table 3-4, or BS 5099									
<b>Voltage Rating</b>	600/1000 V									