

## ASH CATHODIC PROTECTION CABLES SINGLE INSULATED CABLES NEGATIVE & BOND CABLES (9COM 6000001045)

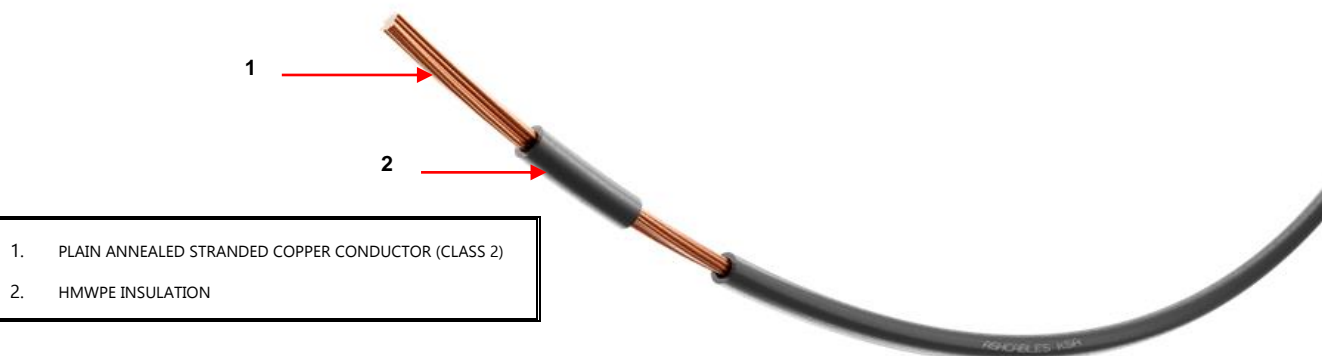
### Cable Features:

**NEGATIVE CABLES** - A cable that is electrically connected (directly or indirectly) to the negative output terminal of a cathodic protection power supply.

<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(9COM 6000001045), ICEA-S-95-658 (NEMA WC 70) or generally, IEC 60502-1

### CONSTRUCTION DETAILS

NEGATIVE & BOND CABLES (9COM 6000001045)		
<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>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>	<b>InkJet/Laser Print</b>	ASH CP CABLE (SIZE)MM <sup>2</sup> CU/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	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	RN38-01C01600-UBK6X	1C	16	7	2.79	10.70	225	1000
2	RN38-01C02500-UBK6X	1C	25	7	2.79	12.0	325	1000
3	RN38-01C03500-UBK6X	1C	35	7	2.79	13.20	425	1000
4	RN38-01C05000-UBK6X	1C	50	19	2.79	14.50	555	1000
5	RN38-01C07000-UBK6X	1C	70	19	3.18	17.10	790	1000
6	RN38-01C09000-UBK6X	1C	95	19	3.18	19.0	1055	1000
7	RN38-01C12000-UBK6X	1C	120	19	3.18	20.50	1300	1000
8	RN38-01C18500-UBK6X	1C	185	37	3.94	25.60	2000	1000
9	RN38-01C24000-UBK6X	1C	240	37	3.94	28.00	2555	1000

Cable Dia. Tolerance:  
±2.0mm for outer diameter of ≤ 25 mm.  
±2.5mm for outer diameter of ≥ 26 mm.

#### ELECTRICAL PROPERTIES

		CONDUCTOR SIZE (MM2)								
CONDUCTOR (DC) RESISTANCE @ 20°C(Ω/Km) PLAIN Cu	UNIT	16 MM2	25 MM2	35 MM2	50 MM2	75 MM2	95 MM2	120 MM2	185 MM2	240 MM2
	Ω/Km	1.15	0.727	0.524	0.387	0.268	0.193	0.153	0.0991	0.0754
Voltage Test	According to ICEA-S-95-658, Table 3-4, or BS 5099									
Spark Test	According to ICEA-S-95-658, Table 3-4, or BS 5099									
Voltage Rating	600/1000 V									