

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

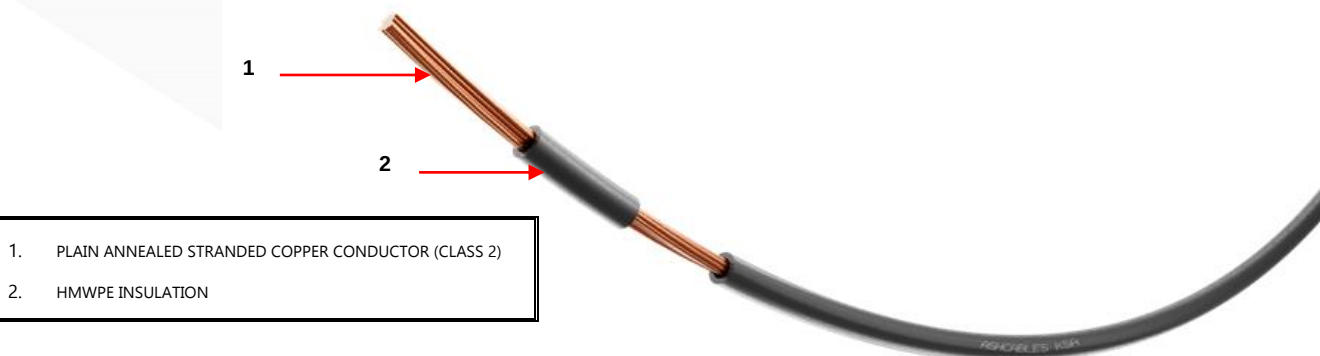
Cable Features:

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

Cable Range Size	6 AWG TO 500 MCM (16 MM² TO 240 MM²)
Reference Standard	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)		
Conductor	Material	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	Material	High Density High Molecular Weight Polyethylene (HMWPE) ASTM D 1248, Type 3, Class C, Category 5, or IEC 60502-1
	Color Identification	Black or Any colors (As per customer request)
Printing	InkJet/Laser Print	ASH CP CABLE (SIZE)MM ² 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 ²)					
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

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									