

## ASH CATHODIC PROTECTION CABLES SINGLE INSULATED CU/HMWPE NEGATIVE CABLES

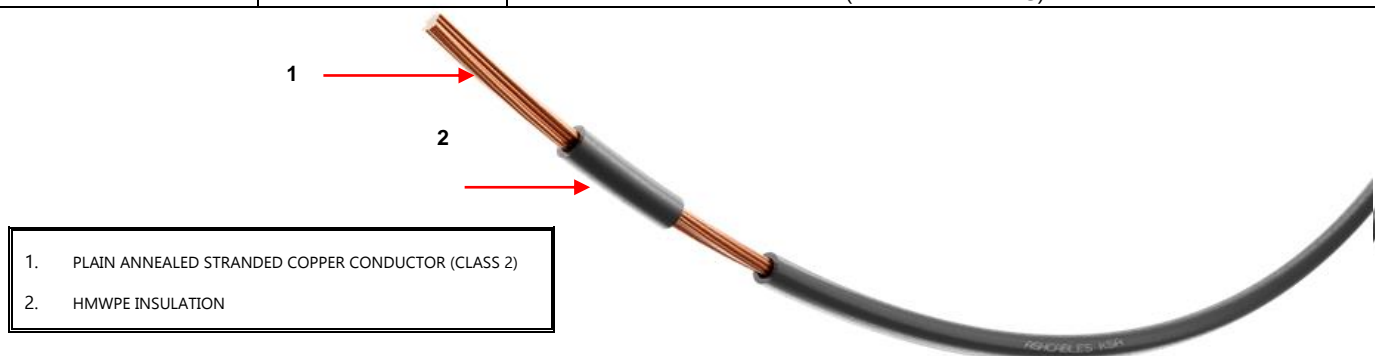
### Cable Features:

-For use in cathodic systems to protect against galvanic and electrolytic corrosion of underground or submerged metallic objects. Specifically applied to underground pipelines, dams, and lock gates, fresh or saltwater steel piles, tank condensers, and ship hulls.

<b>Cable Range Size</b>	<b>2.5 MM2 TO 240 MM2</b>
<b>Reference Standard</b>	Generally, IEC 60502-1

### CONSTRUCTION DETAILS

<b>Conductor</b>	<b>Material</b>	Plain, Annealed, Copper as per ASTM B3 and stranded 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>		ASH CP CABLE (SIZE)MM2 CU/HMWPE 600/1000V GEN. TO IEC 60502-1 ASHCABLES MADE IN KSA (YEAR OF MANUFACTURE) (METER MARKING)



**Table 1**  
**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%	CONDUCTOR (DC) RESISTANCE @ 20°C(Ω/Km)
		NO. OF CORE	SIZE (MM2)						
1	RN38-01C00250-UBK6X	1C	2.5	7	2.79	7.50	69	1000	≤7.41
2	RN38-01C00400-UBK6X	1C	4	7	2.79	8.00	87	1000	≤4.61
3	RN38-01C00600-UBK6X	1C	6	7	2.79	8.60	114	1000	≤3.08
4	RN38-01C01000-UBK6X	1C	10	7	2.79	9.50	155	1000	≤1.83
5	RN38-01C01600-UBK6X	1C	16	7	2.79	10.70	225	1000	≤1.15
6	RN38-01C02500-UBK6X	1C	25	7	2.79	12.0	325	1000	≤0.727
7	RN38-01C03500-UBK6X	1C	35	7	2.79	13.20	425	1000	≤0.524
8	RN38-01C05000-UBK6X	1C	50	19	2.79	14.50	555	1000	≤0.387
9	RN38-01C07000-UBK6X	1C	70	19	3.18	17.10	790	1000	≤0.268
10	RN38-01C09000-UBK6X	1C	95	19	3.18	19.0	1055	1000	≤0.193
11	RN38-01C12000-UBK6X	1C	120	19	3.18	20.50	1300	1000	≤0.153
12	RN38-01C18500-UBK6X	1C	185	37	3.94	25.60	2000	1000	≤0.0991
13	RN38-01C24000-UBK6X	1C	240	37	3.94	28.00	2555	1000	≤0.0754

Dimensions and Weights are subject for manufacturing Tolerance.

Cable Dia. Tolerance:

±2.0mm for outer diameter of ≤ 25 mm.

±2.5mm for outer diameter of ≥ 26 mm.

ELECTRICAL PROPERTIES	
<b>Voltage Test</b>	According to BS 5099
<b>Spark Test</b>	According to BS 5099
<b>Voltage Rating</b>	600/1000 V