

ASH CATHODIC PROTECTION CABLES CU/HMWPE/HMWPE DOUBLE INSULATED 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.

Cable Range Size	4 MM2 TO 120 MM2
Reference Standard	Generally, IEC 60502-1, IEC 60228

CONSTRUCTION DETAILS

Conductor	Material	Plain, Annealed, Copper as per ASTM B3 and stranded per IEC 60228 Class 2
Primary 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)
Secondary 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		ASH CP CABLE (SIZE)MM2 CU/ HMWPE/HMWPE 600/1000V GEN. TO IEC 60502-1 ASHCABLES MADE IN KSA (YEAR OF MANUFACTURE) (METER MARKING)

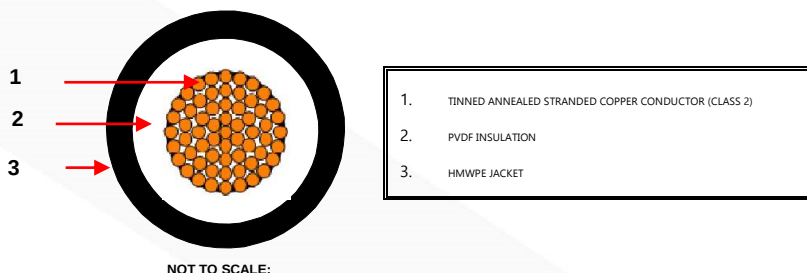


Table 1
DIMENSIONAL DATA

S.No	ASH CABLES Item Code	CABLE		No. of wire Strands	HMWPE Insulation Thickness Nom (mm)	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	RP38-01C00400-UBK6H	1C	4	7	0.70	1.65	7.20	75	1000	≤4.61
2	RP38-01C00600-UBK6H	1C	6	7	0.70	1.65	7.90	95	1000	≤3.08
3	RP38-01C01000-UBK6H	1C	10	7	0.70	1.65	8.80	140	1000	≤1.83
4	RP38-01C01600-UBK6H	1C	16	7	0.70	1.65	9.80	200	1000	≤1.15
5	RP38-01C02500-UBK6H	1C	25	7	0.90	1.65	11.50	295	1000	≤0.727
6	RP38-01C03500-UBK6H	1C	35	7	0.90	1.65	12.60	395	1000	≤0.524
7	RP38-01C05000-UBK6H	1C	50	19	1.00	1.65	14.20	510	1000	≤0.387
8	RP38-01C07000-UBK6H	1C	70	19	1.10	1.65	16.20	725	1000	≤0.268
9	RP38-01C09500-UBK6H	1C	95	19	1.10	1.65	18.10	965	1000	≤0.193
10	RP38-01C12000-UBK6H	1C	120	19	1.20	1.65	20.00	1215	500	≤0.153

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

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