

ASH POWER
SINGLE CORE CU/XLPE/AWA/PVC 0.6/1KV
Sunlight Resistant, Flame Retardant

APPLICATION

For fixed installations, indoors and outdoors, in low voltage electricity systems. Generally used for the distribution of electrical energy in urban networks, power or switching stations, industrial plants, as well as in switchgears, in applications. Non-magnetic Aluminum wire armored protection against mechanical damage.

STANDARDS

IEC 60502-1	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1.2 kV) up to 30 kV (Um = 36 kV).
IEC 60228	Conductors of insulated cables

CONSTRUCTION DETAILS

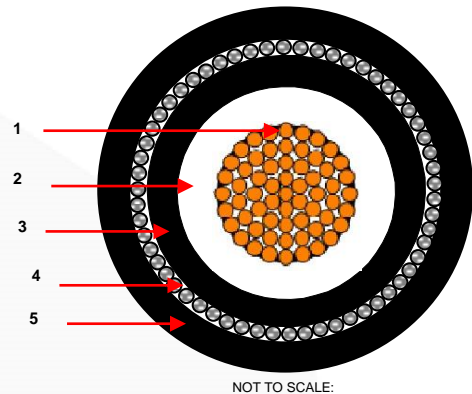
CONDUCTOR	Stranded Annealed Plain Copper Conductor, Class-2 to IEC:60228.
INSULATION	Extruded XLPE (Cross-linked polyethylene) compound.
CORES IDENTIFICATION	Red or Black or White
Inner Jacket	Polyvinyl Chloride (PVC), compatible with the operating temperature of the cable.
ARMOR	Aluminum Wire Armour.
OUTER JACKET	Extruded Poly Vinyl Chloride (PVC) Type ST2 compound. Flame Retardant and Sunlight Resistant. Black color or upon request.
Marking	ASHPOWER (NO. OF CORE) X (SIZE MM2) CU/XLPE/AWA/PVC 600/1000 V IEC 60502-1 ASHCABLES KSA + METER MARKING

ELECTRICAL PROPERTIES

Voltage Test	3.5 kV / 5 Minutes
Voltage Rate	600/1000V

PHYSICAL & ENVIRONMENTAL PROPERTIES

Flame Retardant Test	IEC 60332-1 / IEC 60332-3 Cat. C
Sunlight Resistance	Passes
Minimum Bending Radius	10xCable Outside Diameter
Temperature Range	-20°C to 90°C



1. PLAIN ANNEALED STRANDED COPPER CONDUCTOR (CLASS 2)
2. XLPE INSULATION
3. PVC BEDDING
4. ALUMINUM WIRE ARMOUR
5. PVC JACKET

DIMENSIONS AND WEIGHTS

S/N	ASH CABLES Item Code	CABLE	INSULATION	ARMOR	OUTER SHEATH		PACKAGING		Maximum Conductor DC Resistance at 20°C (Ω/KM)
		Cross Sectional Area Nominal (mm2)	Thickness Nominal (mm)	Alum. Wire Dia. (mm)	Thickness Nominal (mm)	Approx. Overall Diameter (mm)	Net Weight (Kg/Km)	Standard Drum (m) ±5%	
1	P13X-01C09500-ABK6B	95	1.10	1.80	1.80	23.60	1300	500/1000	0.193
2	P13X-01C15000-ABK6B	120	1.20	1.80	1.80	25.50	1570	500/1000	0.153
3	P13X-01C15000-ABK6B	150	1.40	1.80	1.80	27.50	1875	500/1000	0.124
4	P13X-01C18500-ABK6B	185	1.60	1.80	1.80	30.00	2330	500/1000	0.0991
5	P13X-01C24000-ABK6B	240	1.70	1.80	1.80	36.50	2933	500/1000	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.