

ASH POWER
SINGLE CORE CU/XLPE/PVC 0.6/1 kV
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.

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

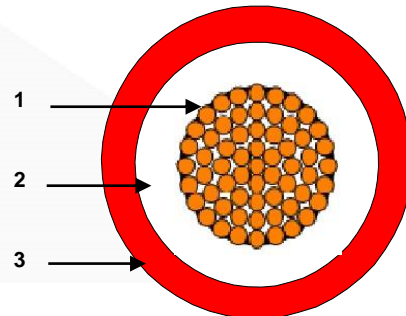
CONDUCTOR	Stranded Annealed Plain Copper Conductor, Class-2 to IEC:60228.
INSULATION	Extruded XLPE (Cross-linked polyethylene) compound,
CORE IDENTIFICATION	Red or Black or Natural
OUTER JACKET	Extruded Poly Vinyl Chloride (PVC) Type ST1 Compound. Flame Retardant and Sunlight Resistant. Black color or on request.
Marking	ASH POWER (NO. OF CORE) X (SIZE MM2) CU/XLPE/PVC FR 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	6xCable Outside Diameter
Temperature Range	-10°C to 70°C



NOT TO SCALE:

1. PLAIN ANNEALED STRANDED COPPER CONDUCTOR (CLASS 2)
2. XLPE INSULATION
3. PVC JACKET

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SINGLE (1) CORE CU/PVC/PVC 600/1000V
DIMENSIONS AND WEIGHTS

S/N	ASH CABLES Item Code	CONDUCTOR	INSULATION	OUTER SHEATH		PACKAGING		Maximum Conductor DC Resistance at 20°C (Ω/KM)
		Cross Sectional Area Nominal (mm ²)	Thickness Nominal (mm)	Thickness Nominal (mm)	Approx. Overall Diameter (mm)	Net Weight (Kg/Km)	Standard Drum (m) ±5%	
1	PM3X-01C00150-UBK6B	1.5	0.70	1.40	6.00	50	500/1000	12.10
2	PM3X-01C00250-UBK6B	2.5	0.70	1.40	6.50	65	500/1000	7.41
3	PM3X-01C04000-UBK6B	4	0.70	1.40	7.00	80	500/1000	4.61
4	PM3X-01C06000-UBK6B	6	0.70	1.40	7.50	98	500/1000	3.08
5	PM3X-01C01000-UBK6B	10	0.70	1.40	8.50	150	500/1000	1.83
6	PM3X-01C01600-UBK6B	16	0.70	1.40	9.50	210	500/1000	1.15
7	PM3X-01C02500-UBK6B	25	0.90	1.40	11.20	310	500/1000	0.727
8	PM3X-01C03500-UBK6B	35	0.90	1.40	11.90	418	500/1000	0.524
9	PM3X-01C05000-UBK6B	50	1.00	1.40	14.00	535	500/1000	0.387
10	PM3X-01C07000-UBK6B	70	1.10	1.40	15.50	745	500/1000	0.268
11	PM3X-01C09500-UBK6B	95	1.10	1.50	17.60	995	500/1000	0.193
12	PM3X-01C12000-UBK6B	120	1.20	1.50	19.50	1240	500/1000	0.153
13	PM3X-01C15000-UBK6B	150	1.40	1.60	21.70	1510	500/1000	0.124
14	PM3X-01C18500-UBK6B	185	1.60	1.60	24.10	1910	500/1000	0.0991
15	PM3X-01C24000-UBK6B	240	1.70	1.70	27.50	2570	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.