

ASH POWER
MULTI CORE CU/XLPE/SWA/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. Galvanized steel 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	No. of cores	Core Identification
	2 Cores	Red, Black
	3 Cores	Red, Yellow, Blue
	4 Cores	Red, Yellow, Blue, Black
	5 Cores	Red, Yellow, Blue, Black, Green/Yellow stripe
ASSEMBLY / LAYING-UP	The cores of cables having two-, three-, four- or five- or more cores are laid-up with a suitable direction of lay. A non-hygroscopic polypropylene filler, and binder tape (if required)	
Inner Jacket	Polyvinyl Chloride (PVC), compatible with the operating temperature of the cable.	
ARMOR	Galvanized Steel wire as per IEC- 60502-1.	
OUTER JACKET	Extruded Poly Vinyl Chloride (PVC) Type ST2 compound. Flame Retardant and Sunlight Resistant. Black color or upon request.	
Marking	ASH POWER (NO. OF CORE) X (SIZE MM2) CU/XLPE/SWA/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 60332-1-2 / IEC 60332-3 Cat. C
Sunlight Resistance	Pass
Minimum Bending Radius	10xCable Outside Diameter
Temperature Range	-30°C to 90°C

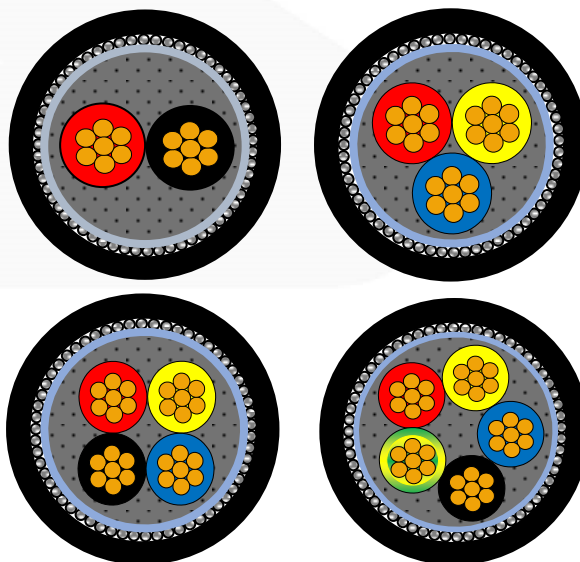


FIGURE 1:
(NOT TO SCALE)

DIMENSIONS AND WEIGHTS

TWO(2) CORES CU/XLPE/SWA/PVC 600/1000V

S/N	ASH CABLES Item Code	CABLE	INSULATION	ARMOR	OUTER SHEATH		PACKAGING		Maximum Conductor DC Resistance at 20°C (Ω/KM)
		no. of core X (size)MM2	Thickness Nominal (mm)	Steel Wire Dia. (mm)	Thickness Nominal (mm)	Approx. Overall Diameter (mm)	Net Weight (Kg/Km)	Standard Drum (m) ±5%	
1	P13X-02C00150-WBK6B	2C X 1.5	0.70	0.90	1.80	14.00	375	500/1000	≤12.10
2	P13X-02C00250-WBK6B	2C X 2.5	0.70	0.90	1.80	14.50	415	500/1000	≤7.41
3	P13X-02C00400-WBK6B	2C X 4	0.70	0.90	1.80	16.00	510	500/1000	≤4.61
4	P13X-02C00600-WBK6B	2C X 6	0.70	0.90	1.80	17.10	585	500/1000	≤3.08
5	P13X-02C01000-WBK6B	2C X 10	0.70	1.25	1.80	19.50	855	500/1000	≤1.83
6	P13X-02C01600-WBK6B	2C X 16	0.70	1.25	1.80	21.50	1070	500/1000	≤1.15
7	P13X-02C02500-WBK6B	2C X 25	0.90	1.60	1.80	26.00	1620	500/1000	≤0.727
8	P13X-02C03500-WBK6B	2C X 35	0.90	1.60	1.80	28.00	1950	500/1000	≤0.524

THREE(3) CORES CU/XLPE/SWA/PVC 600/1000V

S/N	ASH CABLES Item Code	CABLE	INSULATION	ARMOR	OUTER SHEATH		PACKAGING		Maximum Conductor DC Resistance at 20°C (Ω/KM)
		no. of core X (size)MM2	Thickness Nominal (mm)	Steel Wire Dia. (mm)	Thickness Nominal (mm)	Approx. Overall Diameter (mm)	Net Weight (Kg/Km)	Standard Drum (m) ±5%	
1	P13X-03C00150-WBK6B	3C X 1.5	0.70	0.90	1.80	14.50	400	500/1000	≤12.10
2	P13X-03C00250-WBK6B	3C X 2.5	0.70	0.90	1.80	15.40	465	500/1000	≤7.41
3	P13X-03C00400-WBK6B	3C X 4	0.70	0.90	1.80	16.50	554	500/1000	≤4.61
4	P13X-03C00600-WBK6B	3C X 6	0.70	1.25	1.80	17.00	600	500/1000	≤3.08
5	P13X-03C01000-WBK6B	3C X 10	0.70	1.25	1.80	20.00	910	500/1000	≤1.83
6	P13X-03C01600-WBK6B	3C X 16	0.70	1.25	1.80	22.50	1165	500/1000	≤1.15
7	P13X-03C02500-WBK6B	3C X 25	0.90	1.60	1.80	26.20	1770	500/1000	≤0.727
8	P13X-03C03500-WBK6B	3C X 35	0.90	1.60	1.80	28.50	2050	500/1000	≤0.524

FOUR(4) CORES CU/XLPE/SWA/PVC 600/1000V

S/N	ASH CABLES Item Code	CABLE	INSULATION	ARMOR	OUTER SHEATH		PACKAGING		Maximum Conductor DC Resistance at 20°C (Ω/KM)
		no. of core X (size)MM2	Thickness Nominal (mm)	Steel Wire Dia. (mm)	Thickness Nominal (mm)	Approx. Overall Diameter (mm)	Net Weight (Kg/Km)	Standard Drum (m) ±5%	
1	P13X-04C00150-WBK6B	4C X 1.50	0.70	0.90	1.80	15.50	440	500/1000	≤12.10
2	P13X-04C00250-WBK6B	4C X 2.50	0.70	0.90	1.80	16.50	525	500/1000	≤7.41
3	P13X-04C00400-WBK6B	4C X 4.00	0.70	0.90	1.80	17.50	575	500/1000	≤4.61
4	P13X-04C00600-WBK6B	4C X 6.00	0.70	1.25	1.80	18.50	775	500/1000	≤3.08
5	P13X-04C01000-WBK6B	4C X 10.00	0.70	1.25	1.80	21.50	1070	500/1000	≤1.83
6	P13X-04C01600-WBK6B	4C X 16.00	0.70	1.25	1.80	24.60	1510	500/1000	≤1.15
7	P13X-04C02500-WBK6B	4C X 25.00	0.90	1.60	1.80	26.70	2100	500/1000	≤0.727
8	P13X-04C03500-WBK6B	4C X 35.00	0.90	1.60	1.80	28.50	2375	500/1000	≤0.524

FIVE(5) CORES CU/XLPE/SWA/PVC 600/1000V

S/N	ASH CABLES Item Code	CABLE	INSULATION	ARMOR	OUTER SHEATH		PACKAGING		Maximum Conductor DC Resistance at 20°C (Ω/KM)
		no. of core X (size)MM2	Thickness Nominal (mm)	Steel Wire Dia. (mm)	Thickness Nominal (mm)	Approx. Overall Diameter (mm)	Net Weight (Kg/Km)	Standard Drum (m) ±5%	
1	P13X-05C00150-WBK6B	5C X 1.50	0.70	0.90	1.80	16.20	485	500/1000	≤12.10
2	P13X-05C00250-WBK6B	5C X 2.50	0.70	0.90	1.80	17.30	575	500/1000	≤7.41
3	P13X-05C00400-WBK6B	5C X 4.00	0.70	0.90	1.80	18.70	750	500/1000	≤4.61
4	P13X-05C00600-WBK6B	5C X 6.00	0.70	1.25	1.80	20.30	910	500/1000	≤3.08
5	P13X-05C01000-WBK6B	5C X 10.00	0.70	1.60	1.80	23.50	1320	500/1000	≤1.83
6	P13X-05C01600-WBK6B	5C X 16.00	0.70	1.60	1.80	26.10	1700	500/1000	≤1.15
7	P13X-05C02500-WBK6B	5C X 25.00	0.90	1.60	1.80	30.00	2360	500/1000	≤0.727

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.