

**ASH POWER & CONTROL**  
**MULTI CORE CU/XLPE/Cu TAPE SHIELDED/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. Copper tape shielded protection against electromagnetic interference.

**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**

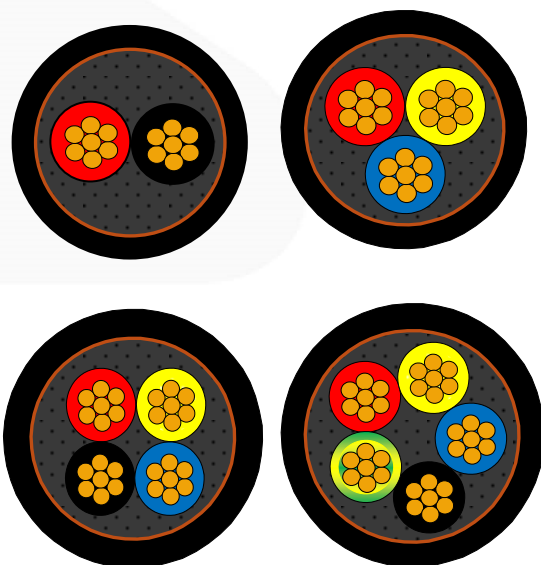
CONSTRUCTION DETAILS		
CONDUCTOR	Stranded Annealed Plain Copper Conductor, Class-2 to IEC:60228.	
INSULATION	Extruded XLPE (Cross-linked polyethylene) compound.	
CORES IDENTIFICATION	No. of cores	Core Identification
	2 Cores	Red, Black
	3 Cores	Red, Yellow, Blue
	4 Cores	Red, Yellow, Blue, Black
	5 Cores	Red, Yellow, Blue, Black, Green/Yellow stripe
	6 Cores Above	Black with numeric print on each cores
ASSEMBLY / LAYING-UP	The cores of cables having two-, three-, four- or five- or mores 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.	
Cu TAPE SHIELDING	A layer of copper tape shall be applied helically over the Inner Jacket.	
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/SHIELDED/PVC 600/1000 V IEC 60502-1 ASHCABLES KSA + METER MARKING	

**ELECTRICAL PROPERTY**

<b>Rated voltage</b>	600 / 1000V
<b>Voltage Test (Core to Core)</b>	3.5 kV AC for 5 Minutes

**PHYSICAL & ENVIRONMENTAL PROPERTIES**

<b>Flame Retardant Test</b>	IEC 60332-1-2 / IEC 60332-3 Cat. C
<b>Sunlight Resistance</b>	Passes
<b>Minimum Bending Radius</b>	10xCable Outside Diameter
<b>Temperature Range</b>	-10°C to 70°C



# ASH POWER & CONTROL

## MULTI CORE CU/XLPE/Cu TAPE SHIELDED/PVC 0.6/1KV

Sunlight Resistant, Flame Retardant

### DIMENSIONS AND WEIGHTS

#### TWO(2) CORES CU/XLPE/Cu TAPE SHIELDED/PVC 600/1000V

S/N	ASH CABLES Item Code	CABLE	INSULATION	SHIELD	OUTER SHEATH		PACKAGING		Maximum Conductor DC Resistance at 20°C (Ω/KM)
		no. of core X (size)MM2	Thickness Nominal (mm)	Thickness Of Cu Tape (mm)	Thickness Nominal (mm)	Approx. Overall Diameter (mm)	Net Weight (Kg/Km)	Standard Drum (m) ±5%	
1	PC3X-02C00150-UBK6B	2C X 1.5	0.70	0.10	1.80	12.50	235	500/1000	≤12.10
2	PC3X-02C00250-UBK6B	2C X 2.5	0.70	0.10	1.80	13.30	270	500/1000	≤7.41
3	PC3X-02C00400-UBK6B	2C X 4	0.70	0.10	1.80	15.50	370	500/1000	≤4.61
4	PC3X-02C00600-UBK6B	2C X 6	0.70	0.10	1.80	16.60	360	500/1000	≤3.08
5	PC3X-02C01000-UBK6B	2C X 10	0.70	0.10	1.80	18.30	475	500/1000	≤1.83
6	PC3X-02C01600-UBK6B	2C X 16	0.70	0.10	1.80	20.40	615	500/1000	≤1.15
7	PC3X-02C02500-UBK6B	2C X 25	0.90	0.10	1.80	23.00	850	500/1000	≤0.727
8	PC3X-02C03500-UBK6B	2C X 35	0.90	0.10	1.80	25.60	1110	500/1000	≤0.524

#### THREE(3) CORES CU/XLPE/ Cu TAPE SHIELDED /PVC 600/1000V

S/N	ASH CABLES Item Code	CABLE	INSULATION	SHIELD	OUTER SHEATH		PACKAGING		Maximum Conductor DC Resistance at 20°C (Ω/KM)
		no. of core X (size)MM2	Thickness Nominal (mm)	Thickness Of Cu Tape (mm)	Thickness Nominal (mm)	Approx. Overall Diameter (mm)	Net Weight (Kg/Km)	Standard Drum (m) ±5%	
1	PC3X-03C00150-UBK6B	3C X 1.5	0.70	0.10	1.80	13.00	245	500/1000	≤12.10
2	PC3X-03C00250-UBK6B	3C X 2.5	0.70	0.10	1.80	14.00	280	500/1000	≤7.41
3	PC3X-03C00400-UBK6B	3C X 4	0.70	0.10	1.80	15.80	420	500/1000	≤4.61
4	PC3X-03C00600-UBK6B	3C X 6	0.70	0.10	1.80	16.50	450	500/1000	≤3.08
5	PC3X-03C01000-UBK6B	3C X 10	0.70	0.10	1.80	19.20	610	500/1000	≤1.83
6	PC3X-03C01600-UBK6B	3C X 16	0.70	0.10	1.80	22.30	805	500/1000	≤1.15
7	PC3X-03C02500-UBK6B	3C X 25	0.90	0.10	1.80	24.80	1150	500/1000	≤0.727
8	PC3X-03C03500-UBK6B	3C X 35	0.90	0.10	1.80	26.60	1430	500/1000	≤0.524

#### FOUR(4) CORES CU/XLPE/ Cu TAPE SHIELDED /PVC 600/1000V

S/N	ASH CABLES Item Code	CABLE	INSULATION	SHIELD	OUTER SHEATH		PACKAGING		Maximum Conductor DC Resistance at 20°C (Ω/KM)
		no. of core X (size)MM2	Thickness Nominal (mm)	Thickness Of Cu Tape (mm)	Thickness Nominal (mm)	Approx. Overall Diameter (mm)	Net Weight (Kg/Km)	Standard Drum (m) ±5%	
1	PC3X-04C00150-UBK6B	4C X 1.5	0.70	0.10	1.80	13.80	280	500/1000	≤12.10
2	PC3X-04C00250-UBK6B	4C X 2.5	0.70	0.10	1.80	14.90	340	500/1000	≤7.41
3	PC3X-04C00400-UBK6B	4C X 4	0.70	0.10	1.80	16.50	415	500/1000	≤4.61
4	PC3X-04C00600-UBK6B	4C X 6	0.70	0.10	1.80	17.10	445	500/1000	≤3.08
5	PC3X-04C01000-UBK6B	4C X 10	0.70	0.10	1.80	20.40	720	500/1000	≤1.83
6	PC3X-04C01600-UBK6B	4C X 16	0.70	0.10	1.80	23.40	975	500/1000	≤1.15
7	PC3X-04C02500-UBK6B	4C X 25	0.90	0.10	1.80	26.00	1390	500/1000	≤0.727
8	PC3X-04C03500-UBK6B	4C X 35	0.90	0.10	1.80	28.50	1800	500/1000	≤0.524

#### FIVE(5) CORES CU/XLPE/ Cu TAPE SHIELDED /PVC 600/1000V

S/N	ASH CABLES Item Code	CABLE	INSULATION	SHIELD	OUTER SHEATH		PACKAGING		Maximum Conductor DC Resistance at 20°C (Ω/KM)
		no. of core X (size)MM2	Thickness Nominal (mm)	Thickness Of Cu Tape (mm)	Thickness Nominal (mm)	Approx. Overall Diameter (mm)	Net Weight (Kg/Km)	Standard Drum (m) ±5%	
1	PC3X-05C00150-UBK6B	5C X 1.5	0.70	0.10	1.80	15.20	315	500/1000	≤12.10
2	PC3X-05C00250-UBK6B	5C X 2.5	0.70	0.10	1.80	16.10	385	500/1000	≤7.41
3	PC3X-05C00400-UBK6B	5C X 4	0.70	0.10	1.80	18.60	530	500/1000	≤4.61
4	PC3X-05C00600-UBK6B	5C X 6	0.70	0.10	1.80	19.80	610	500/1000	≤3.08
5	PC3X-05C01000-UBK6B	5C X 10	0.70	0.10	1.80	22.70	850	500/1000	≤1.83
6	PC3X-05C01600-UBK6B	5C X 16	0.70	0.10	1.80	25.20	1170	500/1000	≤1.15
7	PC3X-05C02500-UBK6B	5C X 25	0.90	0.10	1.80	28.50	1710	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.