

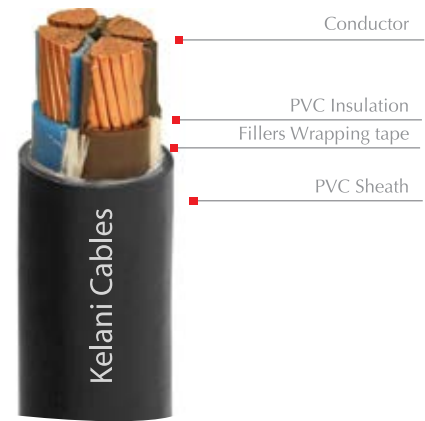
### 3 Outdoor Cables - Copper Conductor

#### 3.4 Multi core unarmoured shaped conductor - PVC insulated

Application : For outdoor installations in air, conduit, duct or tray. They are normally used for power distribution in urban networks, in industrial plants, in thermopower and hydropower stations.

#### Engineering Specifications

<b>Type</b>	: Cu/PVC/PVC
<b>Standard</b>	: IEC 60502
<b>Nominal Voltage</b>	: 600/1000V
<b>Insulation</b>	: 70 °C rated PVC compound
<b>Sheathing</b>	: PVC compound
<b>Packing</b>	: The cables are delivered on non-returnable wooden drums as per customer requirement
<b>Conductor</b>	: Soft annealed stranded copper wires



#### Technical Information

KELANI Cable Code	Conductor		Nominal Insulation Thickness	Nominal Sheathing Thickness	Max. Overall Diameter	Approx. Weight	Max d.c. Resistance at 20 °C	Packing	
	Nominal Cross sectional area	No. & Dia. of wires						Drum Type	Cable Length
	mm <sup>2</sup>	x/mm	mm	mm	mm	kg/km	Ω/km		m
1P432214ZZ	25	7/2.14	1.2	1.8	22.9	1257	0.727	Kel 06	1000
1P433252ZZ	35	7/2.52	1.2	1.8	25.4	1655	0.524	Kel 09	1000
1P435178ZZ	50	19/1.78	1.4	1.9	29.2	2239	0.387	Kel 10	1000
1P437214ZZ	70	19/2.14	1.4	2.0	33.0	3081	0.268	Kel 12	1000
1P438252ZZ	95	19/2.52	1.6	2.1	38.3	4237	0.193	Kel 10	500
1P439203ZZ	120	37/2.03	1.6	2.2	41.8	5250	0.153	Kel 12	500
1P441225ZZ	150	37/2.25	1.8	2.3	46.3	6455	0.124	Kel 12	500
1P442252ZZ	185	37/2.52	2.0	2.5	51.3	8018	0.0991	Kel 15	500
1P443225ZZ	240	61/2.25	2.2	2.7	58.0	10448	0.0754	Kel 12	350
1P444252ZZ	300	61/2.52	2.4	2.9	64.6	13045	0.0601	Kel 12	250
1P445285ZZ	400	61/2.85	2.6	3.1	72.0	16570	0.0470	Kel 12	200

Refer Table E for current carrying capacity and voltage drop.