

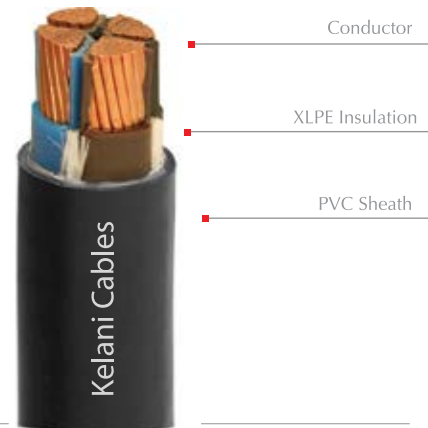
### 3 Outdoor Cables - Copper Conductor

#### 3.6 Multi core unarmoured shaped conductor - XLPE 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/XLPE/PVC
<b>Standard</b>	: BS 5467/ BS 7889
<b>Nominal Voltage</b>	: 600/1000V
<b>Insulation</b>	: 90 °C rated XLPE compound
<b>Sheathing</b>	: PVC compound
<b>Packing</b>	: The cables are delivered on non-returnable wooden drums as per customer requirements
<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
1X432214ZZ	25	7/2.14	0.9	1.8	21.4	1174	0.727	Kel 05	1000
1X433252ZZ	35	7/2.52	0.9	1.8	23.9	1563	0.524	Kel 08	1000
1X435178ZZ	50	19/1.78	1.0	1.8	26.9	2078	0.387	Kel 10	1000
1X437214ZZ	70	19/2.14	1.1	2.0	31.5	2920	0.268	Kel 12	1000
1X438252ZZ	95	19/2.52	1.1	2.1	35.6	3992	0.193	Kel 14	1000
1X439203ZZ	120	37/2.03	1.2	2.2	39.5	5005	0.153	Kel 06	750
1X441225ZZ	150	37/2.25	1.4	2.4	44.1	6166	0.124	Kel 07	500
1X442252ZZ	185	37/2.52	1.6	2.6	49.3	7839	0.0991	Kel 08	500
1X443225ZZ	240	61/2.25	1.7	2.8	55.5	10201	0.0754	Kel 09	375
1X444252ZZ	300	61/2.52	1.8	3.0	61.4	12712	0.0601	Kel 12	325
1X445285ZZ	400	61/2.85	2.0	3.2	68.8	16172	0.0470	Kel 12	180

Refer Table F for current carrying capacity and voltage drop.