

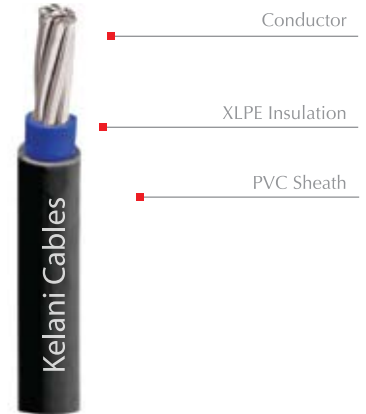
4 Outdoor Cables - Aluminium Conductor

4.1 Single core unarmoured - 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

Type	: Al/XLPE/PVC
Standard	: IEC 60502
Nominal Voltage	: 600/1000 V
Insulation	: 90 °C rated XLPE compound
Sheathing	: PVC compound
Packing	: The cables are delivered on non-returnable wooden drums as per customer requirements
Conductor	: Stranded aluminium 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 ²	x/mm	mm	mm	mm	kg/km	Ω/km		m
1L135178ZZ	50	19/1.78	1.0	1.4	14.2	256	0.641	Kel 03	1000
1L137214ZZ	70	19/2.14	1.1	1.4	16.2	340	0.443	Kel 04	1000
1L138252ZZ	95	19/2.52	1.1	1.5	18.3	448	0.320	Kel 05	1000
1L139203ZZ	120	37/2.03	1.2	1.5	20.2	547	0.253	Kel 05	1000
1L141225ZZ	150	37/2.25	1.4	1.6	22.4	672	0.206	Kel 05	1000
1L142252ZZ	185	37/2.52	1.6	1.6	24.7	824	0.164	Kel 08	1000
1L143225ZZ	240	61/2.25	1.7	1.7	27.7	1056	0.125	Kel 10	1000
1L144252ZZ	300	61/2.52	1.8	1.8	30.6	1331	0.100	Kel 12	1000

Refer Table K1 & K2 for current carrying capacity and voltage drop.