

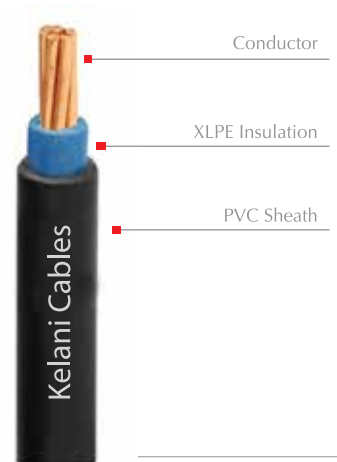
3 Outdoor Cables - Copper Conductor

3.2 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	: Cu / XLPE/ PVC
Standard	: BS 7889
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 requirement
Conductor	: 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 ²	x/mm	mm	mm	mm	kg/km	Ω/km		m
1X135178ZZ	50	19/1.78	1.0	1.4	14.2	554	0.387	Kel 03	1000
1X137214ZZ	70	19/2.14	1.1	1.4	16.2	771	0.268	Kel 04	1000
1X138252ZZ	95	19/2.52	1.1	1.5	18.3	1045	0.193	Kel 05	1000
1X139203ZZ	120	37/2.03	1.2	1.5	20.2	1304	0.153	Kel 05	1000
1X141225ZZ	150	37/2.25	1.4	1.6	22.4	1600	0.124	Kel 05	1000
1X142252ZZ	185	37/2.52	1.6	1.6	24.7	1989	0.0991	Kel 08	1000
1X143225ZZ	240	61/2.25	1.7	1.7	27.7	2587	0.0754	Kel 10	1000
1X144252ZZ	300	61/2.52	1.8	1.8	30.6	3221	0.0601	Kel 12	1000
1X145285ZZ	400	61/2.85	2.0	1.9	34.2	4096	0.0470	Kel 12	1000
1X146320ZZ	500	61/3.20	2.2	2.0	38.0	5135	0.0366	Kel 10	500
1X147252ZZ	630	127/2.52	2.4	2.2	42.9	6607	0.0283	Kel 10	500
1X148285ZZ	800	127/2.85	2.6	2.3	47.8	8393	0.0221	Kel 12	500
1X149320ZZ	1000	127/3.20	2.8	2.4	53.0	10518	0.0176	Kel 15	500

Refer Table B1 & B2 for current carrying capacity and voltage drop.