

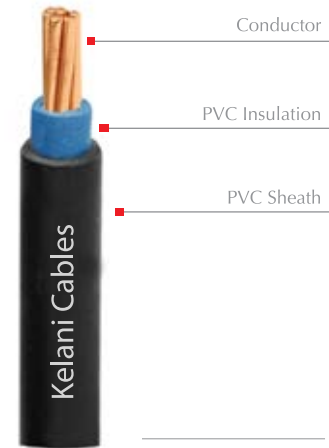
3 Outdoor Cables - Copper Conductor

3.1 Single core unarmoured - 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

Type	: Cu/PVC/PVC
Standard	: IEC 60502
Nominal Voltage	: 600/1000V
Insulation	: 70 °C rated PVC 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
1P126104ZZ	6	7/1.04	1.0	1.4	8.4	115	3.08	Coil	100
1P129135ZZ	10	7/1.35	1.0	1.4	9.3	164	1.83	Coil	100
1P131170ZZ	16	7/1.70	1.0	1.4	10.3	228	1.15	Coil	100
1P132214ZZ	25	7/2.14	1.2	1.4	11.8	336	0.727	Kel 01	1000
1P133252ZZ	35	7/2.52	1.2	1.4	13.0	445	0.524	Kel 02	1000
1P135178ZZ	50	19/1.78	1.4	1.4	15.0	580	0.387	Kel 03	1000
1P137214ZZ	70	19/2.14	1.4	1.4	16.8	790	0.268	Kel 05	1000
1P138252ZZ	95	19/2.52	1.6	1.5	19.2	1080	0.193	Kel 05	1000
1P139203ZZ	120	37/2.03	1.6	1.5	21.0	1330	0.153	Kel 05	1000
1P141225ZZ	150	37/2.25	1.8	1.6	23.0	1640	0.124	Kel 06	1000
1P142252ZZ	185	37/2.52	2.0	1.7	25.6	2010	0.0991	Kel 09	1000
1P143225ZZ	240	61/2.25	2.2	1.8	28.6	2650	0.0754	Kel 10	1000
1P144252ZZ	300	61/2.52	2.4	1.9	31.4	3300	0.0601	Kel 12	1000
1P145285ZZ	400	61/2.85	2.6	2.0	36.8	4160	0.0470	Kel 15	1000
1P146320ZZ	500	61/3.20	2.8	2.1	39.0	5300	0.0366	Kel 10	500
1P147252ZZ	630	127/2.52	2.8	2.2	43.2	6620	0.0283	Kel 12	500
1P148285ZZ	800	127/2.85	2.8	2.3	48.0	8450	0.0221	Kel 14	500
1P149320ZZ	1000	127/3.20	3.0	2.5	53.0	10540	0.0176	Kel 15	500

Refer Table A1 & A2 for current carrying capacity and voltage drop.