

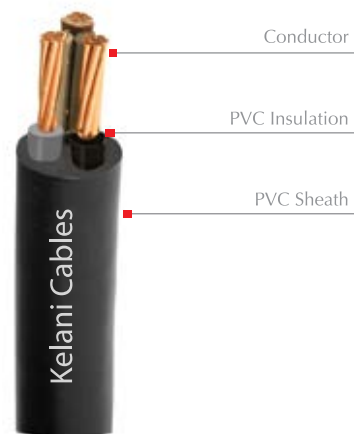
3 Outdoor Cables - Copper Conductor

3.3 Multi core unarmoured circular 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

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	Approx. 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
Two core cables									
1P219053ZZ	1.5	7/0.53	0.8	1.8	10.0	118	12.1	Coils	100
1P222067ZZ	2.5	7/0.67	0.8	1.8	10.9	146	7.41	Coils	100
1P224085ZZ	4	7/0.85	1.0	1.8	12.8	203	4.61	Coils	100
1P226104ZZ	6	7/1.04	1.0	1.8	13.9	256	3.08	Coils	100
1P229135ZZ	10	7/1.35	1.0	1.8	15.8	358	1.83	Kel 05	1000
1P231170ZZ	16	7/1.70	1.0	1.8	17.9	498	1.15	Kel 05	1000
1P232214ZZ	25	7/2.14	1.2	1.8	21.3	732	0.727	Kel 06	1000
1P233252ZZ	35	7/2.52	1.2	1.8	23.6	950	0.524	Kel 09	1000
Three core cables									
1P319053ZZ	1.5	7/0.53	0.8	1.8	10.5	148	12.1	Coils	100
1P322067ZZ	2.5	7/0.67	0.8	1.8	11.4	186	7.41	Coils	100
1P324085ZZ	4	7/0.85	1.0	1.8	13.4	265	4.61	Kel 04	100
1P326104ZZ	6	7/1.04	1.0	1.8	14.7	340	3.08	Kel 05	1000
1P329135ZZ	10	7/1.35	1.0	1.8	16.7	487	1.83	Kel 05	1000
1P331170ZZ	16	7/1.70	1.0	1.8	18.9	688	1.15	Kel 05	1000
1P332214ZZ	25	7/2.14	1.2	1.8	22.6	1033	0.727	Kel 08	1000
1P333252ZZ	35	7/2.52	1.2	1.8	25.1	1348	0.524	Kel 10	1000

Refer Table E for current carrying capacity and voltage drop.