

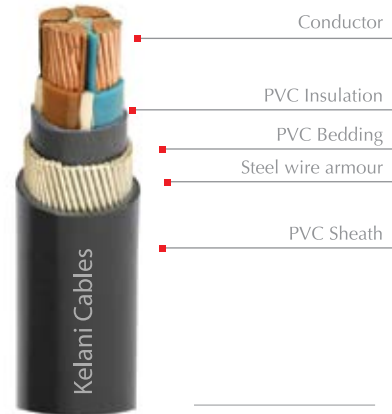
3 Outdoor Cables - Copper Conductor

3.9 Multi core armoured shaped conductor - PVC insulated.

Application : For outdoor installation where mechanical protection is required. These cables can be installed in air, on a perforated cable tray, direct in ground or in ducting in ground.

Engineering Specifications

Type	: Cu/PVC/SWA/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 Bedding thickness	Nominal Steel wire diameter	Nominal Sheathing thickness	Max. Overall Diameter	Approx. Weight	Max d.c. Resistance at 20°C	Armour wire area	Packing 1000 m ≥750 m
	Nominal Cross sectional area	No. & Dia. of wires									Drum Type
	mm ²	x/mm	mm	mm	mm	mm	mm	kg/km	Ω/km	mm ²	
1R432214ZZ	25	7/2.14	1.2	1.0	1.6	1.8	27.8	2022	0.727	76	Kel 10
1R433252ZZ	35	7/2.52	1.2	1.0	1.6	1.9	30.3	2525	0.524	84	Kel 10
1R435178ZZ	50	19/1.78	1.4	1.0	1.6	2.0	35.4	3481	0.387	122	Kel 15
1R437214ZZ	70	19/2.14	1.4	1.2	2.0	2.2	39.2	4481	0.268	138	Kel 14
1R438252ZZ	95	19/2.52	1.6	1.2	2.0	2.3	44.3	5837	0.193	160	Kel 12
1R439203ZZ	120	37/2.03	1.6	1.2	2.5	2.4	49.3	7434	0.153	220	Kel 12
1R441225ZZ	150	37/2.25	1.8	1.4	2.5	2.6	53.6	8834	0.124	240	Kel 15
1R442252ZZ	185	37/2.52	2.0	1.4	2.5	2.6	59.0	10760	0.0991	265	Kel 12
1R443225ZZ	240	61/2.25	2.2	1.6	2.5	2.9	65.7	13505	0.0754	299	Kel 12
1R444252ZZ	300	61/2.52	2.4	1.6	2.5	3.1	72.0	16391	0.0601	333	Kel 13
1R445285ZZ	400	61/2.85	2.6	1.6	3.15	3.4	81.3	21275	0.0470	467	Kel 13

Refer Table G for current carrying capacity and voltage drop.