

3 Outdoor Cables - Copper Conductor

3.8 Multi core armoured circular conductor - PVC insulated Cont...

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	: 600/1000 V
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
	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	
Four core cables											
1R419053ZZ	1.5	7/0.53	0.8	1.0	0.9	1.8	15.12	430	12.1	17	Kel 02
1R422067ZZ	2.5	7/0.67	0.8	1.0	1.25	1.8	16.84	596	7.41	20	Kel 03
1R424085ZZ	4	7/0.85	1.0	1.0	1.25	1.8	19.11	756	4.61	34	Kel 05
1R426104ZZ	6	7/1.04	1.0	1.0	1.25	1.8	20.50	899	3.08	38	Kel 05
1R429135ZZ	10	7/1.35	1.0	1.0	1.6	1.8	23.44	1286	1.83	46	Kel 06
1R431170ZZ	16	7/1.70	1.0	1.0	1.6	1.8	25.98	1644	1.15	72	Kel 09
1R432214ZZ	25	7/2.14	1.2	1.0	1.6	1.8	30.15	2238	0.727	76	Kel 12
1R433252ZZ	35	7/2.52	1.2	1.0	1.6	1.9	32.90	2770	0.524	84	Kel 12
Five core cables											
1R519053ZZ	1.5	7/0.53	0.8	1.0	1.25	1.8	16.71	567	12.1	19	Kel 03
1R522067ZZ	2.5	7/0.67	0.8	1.0	1.25	1.8	17.85	663	7.41	22	Kel 05
1R524085ZZ	4	7/0.85	1.0	1.0	1.25	1.8	20.38	866	4.61	38	Kel 05
1R526104ZZ	6	7/1.04	1.0	1.0	1.6	1.8	22.62	1162	3.08	41	Kel 05
1R529135ZZ	10	7/1.35	1.0	1.0	1.6	1.8	25.14	1492	1.83	68	Kel 09
1R531170ZZ	16	7/1.70	1.0	1.0	1.6	1.8	27.97	1915	1.15	78	Kel 10
1R532214ZZ	25	7/2.14	1.2	1.2	2.0	1.9	34.01	2935	0.727	94	Kel 12
1R533252ZZ	35	7/2.52	1.2	1.2	2.0	2.0	37.29	3621	0.524	106	Kel 15

Refer Table G for current carrying capacity and voltage drop.