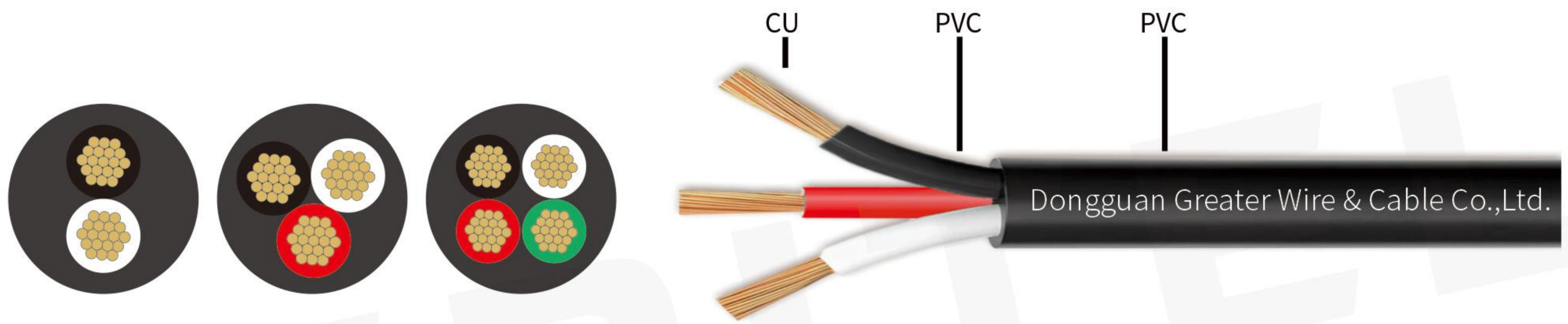


## ROYAL CORD CABLE (PORTABLE CORD) 600V



### APPLICATION

Royal Cord are primarily used for light, medium, and heavy duty power supply to appliances, office equipment in the Philippine Electric Code. Other APPLICATIONs include wiring for washing machines and various other large appliances, heavy duty tools, motors, and temporary electrical power and lighting installation for construction site. The conductor suitable for APPLICATIONs at temperature not exceed 75 °C and voltage not exceed 600 Volts.

### CABLE DESIGN

**Conductor:** One, two, three or four stranded soft drawn copper conductors  
**Insulation:** The individual conductor is extruded with Polyvinyl Chloride (PVC) 75°C Lead Free which is resistant to heat, gas and oil and is flame retardant.  
**Jacket:** Single or assembled multi-conductor cable is extruded with Polyvinyl Chloride (PVC) Lead Free for final protective covering

Size /Nom. Areas of Conductor	Size /Nom. Area of Conductor	No. & Diameter Conductor	Ap prox. Over-all Diameter of conductor	Max. Con du ctor Resistance	Ampacity (A)		Test oltage	Stan dard Length
					A	B		
AWG	mm <sup>2</sup>	No./ mm	mm	Ohm / km	A	B	Volts	m
18	0.75	30/0.18	1.1	23.52	7	10	2000	75
16	1.25	50/0.18	1.5	14.11	10	13	2000	75
14	2.0	37/0.26	1.8	9.14	15	18	3000	75
12	3.5	65/0.26	2.4	5.20	20	25	3000	75
10	5.5	104/0.26	3.0	3.25	25	30	3000	75
8	8.0	7/22/0.26	4.2	2.24	35	40	4000	75
6	14	7/38/0.26	5.5	1.30	45	55	4000	75
4	22	7/60/0.26	6.8	0.820	60	70	4000	75
2	30	7/81/0.26	8.0	0.620	80	95	4000	75

Size /Nom. Areas of Conductor	Size /Nom. Area of Conductor	2 conductors		3 conductors		4 conductors	
		Approx. over-all diameter	Approx. weight	Approx. over-all diameter	Approx. weight	Approx. over-all diameter	Approx. weight
AWG	mm <sup>2</sup>	MM	kg/km	mm	kg/km	mm	kg/km
18	0.75	8.40	75	8.80	92	9.5	111
16	1.25	9.20	93	9.68	117	10.5	143
14	2.0	12.40	165	13.05	295	14.14	250
12	3.5	14.40	235	15.14	295	16.39	361
10	5.5	15.60	293	16.44	377	17.84	467
8	8.0	20.20	511	21.32	632	24.00	823
6	14	23.60	744	24.92	926	27.92	1200
4	22	27.00	1030	28.52	1296	31.70	1663
2	30	30.00	1292	31.71	1648	35.35	2130