



# ROYAL CORD / PORTABLE CORD 600V

Thermoplastic insulated & sheathed. Oil & Moisture Resistant, Flame Retardant.



## APPLICATION

PHILFLEX 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.

## Conductors

Bare, soft annealed copper per ASTM B-3,  
Bunched-Stranded per ASTM B172 & ASTM B 174 standard. (PNS 163)

## Insulation Jacket Color

Lead Free Flame Retardant PVC per UL 62 standard  
Lead Free Flame Retardant PVC per UL 62 standard  
Black and white for 2 conductors, black, white, and red for 3 conductors,  
Black, white, red & green for 4 conductors.

Catalog Number	Size / Nom. Area of Conductor	No. & Diameter of Conductor	Approx. Over-all Diameter of conductor	Max. Conductor Resistance	Ampacity ( A )		Test Voltage	Standard Length
					A	B		
	mm <sup>2</sup>	No. / mm	mm	Ohm / km			Volts	m
RC18	0.75	30/ 0.18	1.1	23.52	7	10	2000	75
RC16	1.25	50/ 0.18	1.5	14.11	10	13	2000	75
RC14	2.0	37/ 0.26	1.8	9.14	15	18	3000	75
RC12	3.5	65/0.26	2.4	5.20	20	25	3000	75
RC10	5.5	104/0.26	3.0	3.25	25	30	3000	75
RC08	8.0	7/22/0.26	4.2	2.24	35	40	4000	75
RC06	14	7/38/0.26	5.5	1.30	45	55	4000	75
RC04	22	7/60/0.26	6.8	0.820	60	70	4000	75
RC02	30	7/81/0.26	8.0	0.620	80	95	4000	75

Catalog Number	Size / Nom. Areas 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
	mm <sup>2</sup>	mm	kg/km	mm	kg/ km	mm	kg/km
RC18	0.75	8.40	75	8.80	92	9.5	111
RC16	1.25	9.20	93	9.68	117	10.5	143
RC14	2.0	12.40	165	13.05	205	14.14	250
RC12	3.5	14.40	235	15.14	295	16.39	361
RC10	5.5	15.60	293	16.44	377	17.84	467
RC08	8.0	20.20	511	21.32	632	24.00	823
RC06	14	23.60	744	24.92	926	27.92	1200
RC04	22	27.00	1030	28.52	1296	31.70	1663
RC02	30	30.00	1292	31.71	1648	35.35	2130

Note : Allowable ampacity for Flexible cord and Cables ( based on ambient temperature of 30°C per Table 4.0.1.5(A)(1) PEC Part 1, 2017 Edition  
column A apply to 3-conductors and column B apply to 2-conductors.  
Standard length per roll is 75 meters. Other lengths are available upon request.  
Single conductor and multi conductors of more than 4 are available upon request.  
Temperature rating of more than 75°C are available upon request.



**No. 1 Wires & Cables Brand**  
Serving the Local & Global Market  
A True Super Brand!



# PHILFLEX®

