PVC Insulated and Sheathed Portable Power Cable

600V Single core

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Overall Diameter (Approx.)	Max. Conductor Resistance (Annealed copper stranded) (20℃)	A.C. Test Voltage (In water)	Min. Insulation Resistance (20℃)	Standard Single length
	Construction	Outer Diameter (Approx.)						
	No./mm	mm	mm	mm	Ω/km	kV/1min	MΩ·km	m
0.75	30/0.18	1.1	2.3	5.7	24.4	3	50	200
1.25	50/0.18	1.5	2.3	6.1	14.7			
2.0	37/0.26	1.8	2.3	6.4	9.50			
3.5	45/0.32	2.5	2.4	7.3	5.09		40	
5.5	70/0.32	3.1	2.6	8.3	3.27			
8	50/0.45	3.7	2.9	9.5	2.32			
14	88/0.45	4.9	3.2	11.5	1.32			
22	7/20/0.45	7.0	3.6	14.5	0.844		30	
30	7/27/0.45	8.1	3.7	15.5	0.625			
38	7/34/0.45	9.1	3.9	17.0	0.496			
50	19/16/0.45	10.4	4.0	18.5	0.389			
60	19/20/0.45	11.6	4.1	20.0	0.311			
80	19/27/0.45	13.5	4.5	23.0	0.230			
100	19/34/0.45	15.2	4.6	25.0	0.183		20	

600V Two cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Sheath	Overall Diameter (Approx.)	Max. Conductor Resistance (Annealed copper stranded) (20℃)	A.C. Test Voltage (In water)	Min. Insulation Resistance (20℃)	Standard Single length
	Construction	Outer Diameter (Approx.)							
mm^2	No./mm	mm	mm	mm	mm	Ω/km	kV/1min	MΩ·km	m
0.75	30/0.18	1.1	0.8	1.7	8.8	25.1	3	50	200
1.25	50/0.18	1.5	0.8	1.7	9.6	15.1			
2.0	37/0.26	1.8	0.8	1.8	10.5	9.79			
3.5	45/0.32	2.5	0.8	1.8	12.0	5.24		40	
5.5	70/0.32	3.1	1.0	2.0	14.5	3.37			
8	50/0.45	3.7	1.2	2.1	16.5	2.39			
14	88/0.45	4.9	1.4	2.3	20.0	1.36			

600V Three cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Sheath	Overall Diameter (Approx.)	Max. Conductor Resistance (Annealed copper stranded) (20℃)	A.C. Test Voltage (In water)	Min. Insulation Resistance (20℃)	Standard Single length
	Construction	Outer Diameter (Approx.)							
mm^2	No./mm	mm	mm	mm	mm	Ω/km	kV/1min	MΩ·km	m
0.75	30/0.18	1.1	0.8	1.7	9.2	25.1	3	50	200
1.25	50/0.18	1.5	0.8	1.7	10.5	15.1			
2.0	37/0.26	1.8	0.8	1.8	11.0	9.79			
3.5	45/0.32	2.5	0.8	1.9	13.0	5.24		40	
5.5	70/0.32	3.1	1.0	2.0	15.0	3.37			
8	50/0.45	3.7	1.2	2.2	17.5	2.39			
14	88/0.45	4.9	1.4	2.4	22.0	1.36			

600V Four cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Sheath	Overall Diameter (Approx.)	Max. Conductor Resistance (Annealed copper stranded) (20℃)	A.C. Test Voltage (In water)	Min. Insulation Resistance (20℃)	Standard Single length
	Construction	Outer Diameter (Approx.)							
mm^2	No./mm	mm	mm	mm	mm	Ω/km	kV/1min	MΩ·km	m
0.75	30/0.18	1.1	0.8	1.7	9.9	25.1	3	50	200
1.25	50/0.18	1.5	0.8	1.8	11.5	15.1			
2.0	37/0.26	1.8	0.8	1.8	12.0	9.79			
3.5	45/0.32	2.5	0.8	2.0	14.0	5.24		40	
5.5	70/0.32	3.1	1.0	2.1	16.5	3.37			
8	50/0.45	3.7	1.2	2.3	19.5	2.39			
14	88/0.45	4.9	1.4	2.5	24.0	1.36			