



SUBMERSIBLE PUMP CABLE



APPLICATION

PHILFLEX Submersible Pump Cable are primarily used for deep-well submersible water pump. The conductor suitable for applications at temperature not exceed 60°C and voltage not exceed 600 volts

CONSTRUCTION

PHILFLEX Submersible Pump Cable copper conductors are annealed (soft) copper, insulated with a tough, oil and moisture resistant color coded PVC (polyvinyl chloride), inner jacketed with oil and moisture resistant PVC and outer jacketed with Low Density Polyethylene (LDPE) black. Cable together to combine two or more conductors.

Cond. Identification

white and black for 2 conductors, white, black, and red for 3 conductors, white, black, red, and green for 4 conductors. Available in sizes 2.0mm² through 100mm², two to four conductors

SPECIFICATION

PHILFLEX Submersible Pump Cable meets and exceeds UL 83 standard and ICEA S-95-658 standard

Catalog Number	Size / Nom. Area of Conductor	No. & Diameter of Conductor	Approx. Over-all Diameter of conductor	Max. Conductor Resistance	Test Voltage	Standard Length
	mm ²	No. / mm	mm	Ohm / km	Volts	m
SU14	2.0	37/0.26	1.88	9.14	3000	300
SU12	3.5	65/0.26	2.40	5.20	3000	300
SU10	5.5	104/0.26	3.00	3.25	3000	300
SU08	8.0	127/0.26	4.20	2.24	4000	300
SU06	14	191/0.26	5.50	1.30	4000	300
SU04	22	260/0.26	6.80	0.82	4000	300
SU02	30	378/0.26	8.00	0.620	4000	300
SU1/0	50	595/0.26	10.95	0.345	4000	300
SU2/0	60	714/0.26	13.68	0.276	4000	300
SU3/0	80	929/0.26	15.35	0.219	4000	300
SU4/0	100	1170/0.26	17.28	0.174	4000	300

Catalog Number	Size / Nom. Areas of Conductor	2 conductors		3 conductors		4 conductors	
		Nom. Jacket Thickness	Approx. over-all diameter	Nom. Jacket Thickness	Approx. over-all diameter	Nom. Jacket Thickness	Approx. over-all diameter
	mm ²	mm	mm	mm	mm	mm	mm
SU14	2.0	1.2	13.0	1.5	14.3	1.5	15.3
SU12	3.5	1.5	14.6	1.5	15.6	1.5	16.6
SU10	5.5	1.5	15.8	1.5	16.9	1.5	18.0
SU08	8.0	1.5	20.1	2.0	21.8	2.0	23.6
SU06	14	2.0	22.8	2.0	24.58	2.0	26.3
SU04	22	2.0	25.6	2.0	27.38	2.0	29.7
SU02	30	2.0	29.2	2.0	30.37	2.8	36.0
SU1/0	50	2.0	36.2	2.0	39.01	2.8	44.4
SU2/0	60	2.0	38.8	2.8	46.81	2.8	47.5
SU3/0	80	2.8	43.8	2.8	50.41	2.8	51.0
SU4/0	100	2.8	51.4	2.8	54.97	2.8	60.7

Note :

Standard length per roll is 300 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 60°C are available upon request.



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