

Suvik Electronics Pvt. Ltd

3-phase SCVR Input / Output power cable sizing & specification (Client's scope)

DOC. NO.	SE/SCVR Cable sizing Spec/12/11
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REV	Nil
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SCVR	Input Cable (for 340 V - 480 V)		Output Cable (for 415 V)	
	Rating (KVA)	Copper (Sq.mm.)	Alluminium (Sq.mm.)	Copper (Sq.mm.)
1	1	1.5	1	1
2	1	1.5	1	1.5
3	1	1.5	1	1.5
5	1.5	2.5	1	1.5
7.5	2.5	4	2.5	2.5
10	4	6	2.5	4
12.5	6	10	4	4
15	10	16	6	6
20	16	16	10	10
25	16	16	16	16
30	16	16	16	16
35	16	16	16	16
40	16	16	16	16
45	16	25	16	16
50	25	25	16	25
55	25	25	25	25
60	25	35	25	25
65	35	35	25	25
70	35	50	25	25
75	35	50	25	35
100	70	95	35	50
120	95	120	50	70
125	95	120	70	70
150	120	150	95	95
175	150	185	95	120
200	185	240	120	150
225	240	240	150	185
250	240	300	185	240
275	300	400	185	240
300	2X120	400	240	300
350	2X150	2X185	300	400
400	2X185	2X240	2X120	400
450	2X240	2X240	2X150	2X185
500	2X240	2X300	2X185	2X240
600	3X185	2X400	2X240	2X300
700	3X240	3X240	3X185	2X400
750	3X240	3X300	3X185	2X400
1000	4X240	4X300	4X185	4X240
1200	5X240	4X400	4X240	4X300
1250	5X240	4X400	4X240	4X300
1500	6X240	5X400	5X240	4X400
2000	8X240	7X400	6X300	6X400
2500	9X300	8X400	8X300	7X400

Electrical Specifications

1) ____ Sq mm, 4 core, 1100 Volts Grade, XLPE insulated & PVC sheathed, COPPER conductor, GL armoured cable as per IS 7098

2) ____ Sq mm, 4 core, 1100 Volts Grade, XLPE insulated & PVC sheathed, ALLUMINIUM conductor, GL armoured cable as per IS 7098