

SWA Cables

CURRENT - CARRYING CAPACITY (Amperes)

BS 6346 Ambient temperature: 30°C
Conductor operating temperature: 70°C

Conductor cross-sectional area	Reference method (Clipped direct)		Reference method (on a perforated horizontal or vertical cable tray)	
	1 Two-core single-phase AC or DC	1 Three or four-core cable three-phase AC	1 Two-core cable single phase AC or DC	1 Three or four-core cable three-phase AC
mm ²	A	A	A	A
1.5	21	18	22	19
2.5	28	25	31	26
4.0	38	33	41	35
6.0	49	42	53	45
10.0	67	58	72	62
16.0	89	77	97	83
25.0	118	102	128	110
35.0	145	125	157	135
50.0	175	151	190	163
70.0	222	192	241	207
95.0	269	231	291	251
120.0	310	267	336	290
150.0	356	306	386	332
185.0	405	348	439	378
240.0	476	409	516	445
300.0	547	469	592	510
400.0	621	540	683	590

WARNING

Current ratings are dependent on the type of installation and those shown are for guidance only. For precise cable ratings for a particular installation refer to the current edition of the IEE Wiring Regulations.


BW Armoured Glands

BW Armoured Gland Pack Selector Chart

Nominal conductor area (mm ²)	Number of cores (600/1000V)												
	1	2	3	4	5	7	10	12	19	27	37	48	
1.5	-	20S	20S	20S	20S	20S	20S	20	20	25	25	32	32
2.5	-	20S	20S	20S	20S	20S	20	25	25	25	32	40	40
4.0	-	20S	20S	20	20	20	25	25	32	32	40	40	50
6.0	-	20	20	20	20	20	25	25	32	32	40	40	50
10.0	-	20	25	25	25	25	25	25	32	32	40	40	50
16.0	-	25	25	25	25	25	25	25	32	32	40	40	50
25.0	-	25	25	32	32	32	32	32	32	32	40	40	50
35.0	-	25	32	32	32	32	32	32	32	32	40	40	50
50.0	25	32	32	40	40	40	40	40	40	40	40	40	50
70.0	25	32	40	40	40	40	40	40	40	40	40	40	50
95.0	25	40	40	40	40	40	40	40	40	40	40	40	50
120.0	25	40	50	50	50	50	50	50	50	50	50	50	50
150.0	32	50	50	63	63	63	63	63	63	63	63	63	63
185.0	32	50	50	63	63	63	63	63	63	63	63	63	63
240.0	40	50	63	75	75	75	75	75	75	75	75	75	75
300.0	40	63	63	75	75	75	75	75	75	75	75	75	75
400.0	50	63	75	75	75	75	75	75	75	75	75	75	75

Glands manufactured to BS6121 : PT.1 : 1989 for use with PVC SWA, PVC 600/1000V cables to BS6346 : 1989.

WARNING: This chart is for guidance only. Actual cable dimensions should be considered before making final selection as these may vary due to the manufacturing tolerances permitted in BS6346 : 1989.



Cable Cleats

Conductor size (mm ²)	Copper conductor Wire armoured				Aluminium conductor Wire armoured				MULTICORE CABLES			
	Number of cores (* Circular conductors)				Number of cores				Conductor size			
	1	2	3	4	1	2	3	4		1.5mm ²	2.5mm ²	4mm ²
1.5	-	5	5	6	-	-	-	-	5 core	6	7	8
2.5	-	6	6	6	-	-	-	-	7 core	6	7	8
4.0	-	6	7	7	-	-	-	-	10 core	8	9	11
6.0	-	7	8	8	-	-	-	-	12 core	8	9	11
10.0	-	8	9	9	-	-	-	-	19 core	9	10	12
16.0	-	8	9	10	-	7	8	9	27 core	10	12	16
25.0	-	10/11*	10/12*	10/12*	-	9	10	12	37 core	12	14	-
35.0	-	10/12*	12/14*	12/14*	-	10	10	12	48 core	14	16	-
50.0	7	11	12	14	8	10	12	14				
70.0	8	12	14	16	8	12	14	16				
95.0	9	14	16	18	9	14	16	18				
120.0	10	16	18	20	10	-	16	20				
150.0	11	16	18	-	12	-	18	20				
185.0	12	18	20	-	12	-	20	-				
240.0	14	20	-	-	14	-	-	-				
300.0	16	-	-	-	14	-	-	-				