

# Reference guide for current carrying capacities for PVC twin and earth cables

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Reference Method	Description	1/1mm <sup>2</sup> (A)	1.5/1mm <sup>2</sup> (A)	2.5/1.5mm <sup>2</sup> (A)	4/1.5mm <sup>2</sup> (A)	6/2.5mm <sup>2</sup> (A)	10/4mm <sup>2</sup> (A)	16/6mm <sup>2</sup> (A)
A	Enclosed in conduit in insulated wall	11.5	14.5	20	26	32	44	57
B	Enclosed in conduit or trunking on a wall	13	16.5	23	30	38	52	69
C	Clipped direct	16	20	27	37	47	64	85
100	Above plasterboard ceiling covered by insulation not exceeding 100mm thick	13	16	21	27	34	45	57
101	Above plasterboard ceiling covered by insulation exceeding 100mm thick	10.5	13	17	22	27	36	46

102	In stud wall in with insulation with cable touching inner wall	13	16	21	27	35	47	63
103	In stud wall in with insulation with cable not touching inner wall	8	19	13.5	17.5	23.5	32	42.5

Ratings shown are tabulated values from BS7671 Appendix 4 for 70°C PVC cables. Where appropriate, other rating factors must be applied.