ltem No.	Methods of installation	Description	Reference method of installation to be used to obtain current-carrying capacity (see Annex B)
1	Room	Insulated conductors or single-core cables in conduit in a thermally insulated wall ^{a, c}	A1
2	Room	Multi-core cables in conduit in a thermally insulated wall ^{a, c}	A2
3	Room	Multi-core cable direct in a thermally insulated wall ^{a, c}	A1
4		Insulated conductors or single-core cables in conduit on a wooden or masonry wall or spaced less than $0,3 \times$ conduit diameter from it ^c	B1
5		Multi-core cable in conduit on a wooden or masonry wall or spaced less than $0.3 \times \text{conduit}$ diameter from it ^c	B2
6 7		Insulated conductors or single-core cables in cable trunking (includes multi-compartment trunking) on a wooden or masonry wall – run horizontally ^b – run vertically ^{b, c}	B1
8 9		Multi-core cable in cable trunking (includes multi-compartment trunking) on a wooden or masonry wall – run horizontally ^b – run vertically ^{b, c}	Under consideration ^d Method B2 may be used
NOTE 1 The illustrations are not intended to depict actual product or installation practices but are indicative of the method described.			
NOTE 2 All footnotes can be found on the last page of Table A.52.3.			

Table A.52.3 – Examples of methods of installation providing instructions for obtaining current-carrying capacity

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ltem No	Methods of installation	Description	Reference method of installation to be used to obtain current-carrying capacity (see Annex B)
10		Insulated conductors or single-core cable in suspended cable trunking ^b	B1
11	<u>∞</u> <u>⊚</u> 10 11	Multi-core cable in suspended cable trunking ^b	B2
12		Insulated conductors or single-core cable run in mouldings ^{c, e}	A1
15		Insulated conductors in conduit or single- core or multi-core cable in architrave ^{c, f}	A1
16		Insulated conductors in conduit or single- core or multi-core cable in window frames ^{c, f}	A1
20		Single-core or multi-core cables: – fixed on, or spaced less than 0,3 × cable diameter from a wooden or masonry wall ^c	С
21		Single-core or multi-core cables: – fixed directly under a wooden or masonry ceiling	C, with item 3 of Table B.52.17
22		Single-core or multi-core cables: – spaced from a ceiling	Under consideration Method E may be used
23		Fixed installation of suspended current- using equipment	C, with item 3 of Table B.52.17

ltem No.	Methods of installation	Description	Reference method of installation to be used to obtain current-carrying capacity (see Annex B)
30	$0.3 D_e$	Single-core or multi-core cables: On unperforated tray run horizontally or vertically ^{c, h}	C with item 2 of Table B.52.17
31	$0 = 0.3 D_e$	Single-core or multi-core cables: On perforated tray run horizontally or vertically ^{c, h} NOTE Refer to B.52.6.2 for description	E or F
32	\rightarrow \rightarrow \geq 0,3 D_e	Single-core or multi-core cables: On brackets or on a wire mesh tray run horizontally or vertically ^{c, h}	E or F
33		Single-core or multi-core cables: Spaced more than 0,3 times cable diameter from a wall	E or F or method G ^g
34		Single-core or multi-core cables: On ladder ^c	E or F
35		Single-core or multi-core cable suspended from or incorporating a support wire or harness	E or F
36		Bare or insulated conductors on insulators	G

ltem No.	Methods of installation	Description	Reference method of installation to be used to obtain current-carrying capacity (see Annex B)
40		Single-core or multi-core cable in a building void ^{c, h, i}	1,5 <i>D</i> _e ≤ <i>V</i> < 5 <i>D</i> _e B2 5 <i>D</i> _e ≤ <i>V</i> < 20 <i>D</i> _e B1
41		Insulated conductor in conduit in a building void ^{c, i, j, k}	1,5 D _e ≤ V < 20 D _e B2 V ≥ 20 D _e B1
42		Single-core or multi-core cable in conduit in a building void ^{c, k}	Under consideration The following may be used: $1,5 D_e \le V < 20 D_e$ B2 $V \ge 20 D_e$ B1
43		Insulated conductors in cable ducting in a building void ^{c, i, j, k}	1,5 D _e ≤ V < 20 D _e B2 V ≥ 20 D _e B1
44		Single-core or multi-core cable in cable ducting in a building void ^{c, k}	Under consideration The following may be used: $1,5 D_e \le V < 20 D_e$ B2 $V \ge 20 D_e$ B1
45		Insulated conductors in cable ducting in masonry having a thermal resistivity not greater than 2 K · m/W ^{c, h, i}	1,5 <i>D</i> _e ≤ <i>V</i> < 5 <i>D</i> _e B2 5 <i>D</i> _e ≤ <i>V</i> < 50 <i>D</i> _e B1
46		Single-core or multi-core cable in cable ducting in masonry having a thermal resistivity not greater than 2 K · m/W ^c	Under consideration The following may be used $1,5 D_e \le V < 20 D_e$ B2 $V \ge 20 D_e$ B1
47		Single-core or multi-core cable: – in a ceiling void – in a raised floor ^{h, i}	1,5 <i>D</i> _e ≤ <i>V</i> < 5 <i>D</i> _e B2 5 <i>D</i> _e ≤ <i>V</i> < 50 <i>D</i> _e B1

Table A.52.3 (continued)

ltem No.	Methods of installation	Description	Reference method of installation to be used to obtain current-carrying capacity (see Annex B)
50		Insulated conductors or single-core cable in flush cable trunking in the floor	B1
51		Multi-core cable in flush cable trunking in the floor	B2
52	TV TV ICT ICT	Insulated conductors or single-core cables in flush cable trunking ^c	B1
53	52 53	Multi-core cable in flush trunking ^c	В2
		Insulated conductors or single-core	$1,5 D_{\rm e} \leq V < 20 D_{\rm e}$
54		cables in conduit in an unventilated cable channel run horizontally or vertically ^{c, i, I, n}	ע א 20 ע
			B1
55		Insulated conductors in conduit in an open or ventilated cable channel in the floor ^{m, n}	B1
56		Sheathed single-core or multi-core cable in an open or ventilated cable channel run horizontally or vertically ⁿ	B1
57		Single-core or multi-core cable direct in masonry having a thermal resistivity not greater than 2 K · m/W Without added mechanical protection ^{0, p}	С

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ltem No.	Methods of installation	Description	Reference method of installation to be used to obtain current-carrying capacity (see Annex B)
58		Single-core or multi-core cable direct in masonry having a thermal resistivity not greater than 2 K · m/W With added mechanical protection ^{o, p}	С
59		Insulated conductors or single-core cables in conduit in masonry ^p	B1
60		Multi-core cables in conduit in masonry ^p	B2
70		Multi-core cable in conduit or in cable ducting in the ground	D1
71		Single-core cable in conduit or in cable ducting in the ground	D1
72		Sheathed single-core or multi-core cables direct in the ground - without added mechanical protection ^q	D2

ltem No.	Methods of installation	Description	Reference method of installation to be used to obtain current-carrying capacity (see Annex B)
73		Sheathed single-core or multi-core cables direct in the ground – with added mechanical protection ^q	D2
^a The	inner skin of the wall has a thermal	conductance of not less than 10 W/m ² ·K.	t. Where there is more than
one	circuit in the trunking the group re-	duction factor given in Table B.52-17 is ap	plicable, irrespective of the
^c Car	e shall be taken where the cable ru	ins vertically and ventilation is restricted.	The ambient temperature at
^d Valu	les for reference method B2 may be	used.	
^e The pose met	^a The thermal resistivity of the enclosure is assumed to be poor because of the material of construction and possible air spaces. Where the construction is thermally equivalent to methods of installation 6 or 7, reference method B1 may be used.		
^f The pos refe	^f The thermal resistivity of the enclosure is assumed to be poor because of the material of construction and possible air spaces. Where the construction is thermally equivalent to methods of installation 6, 7, 8, or 9, reference methods B1 or B2 may be used.		
^g The	The factors in Table B.52.17 may also be used.		
^h D _e is - 2,2 - 3 2	^h D_e is the external diameter of a multi-core cable: - 2,2 × the cable diameter when three single core cables are bound in trefoil, or - 3 × the cable diameter when three single core cables are laid in flat formation.		
ⁱ V is floc	V is the smaller dimension or diameter of a masonry duct or void, or the vertical depth of a rectangular duct, floor or ceiling void or channel. The depth of the channel is more important than the width.		
^j D _e is	$D_{\rm e}$ is the external diameter of conduit or vertical depth of cable ducting.		
^I D _e is	D _e is the external diameter of the conduit.		
^m For	For multi-core cable installed in method 55, use current-carrying capacity for reference method B2.		
ⁿ It is auth accu	It is recommended that these methods of installation are used only in areas where access is restricted to authorized persons so that the reduction in current-carrying capacity and the fire hazard due to the accumulation of debris can be prevented.		
° For	cables having conductors not greate	r than 16 mm ² , the current-carrying capacity	/ may be higher.
^p Thei con	rmal resistivity of masonry is not gr crete, plaster and the like (other tha	eater than 2 K · m/W, the term "masonry" is n thermally insulating materials).	s taken to include brickwork,
^q The of 2 hig	inclusion of directly buried cables ir 2,5 K · m/W. For lower soil resistivitie her than for cables in ducts.	n this item is satisfactory when the soil therr s, the current-carrying capacity for directly	nal resistivity is of the order buried cables is appreciably