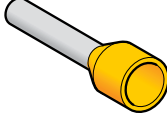
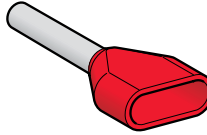
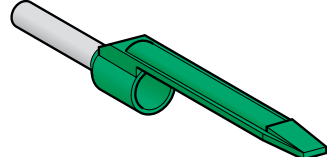

Insulated cable ends

Selection guide page 7/2

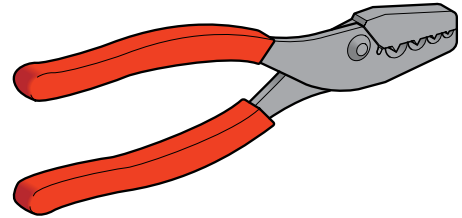
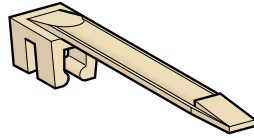
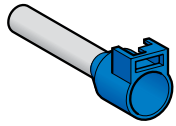
- Conforming to standard NF C 63-023 page 7/6
- Conforming to standard DIN 46 228 page 7/8
- Marking accessories for insulated cable ends page 7/9

Tools

- Tools (cabling accessories) page 7/10

Type of product	Insulated cable ends					
						
Type	Single conductor cable ends		Twin conductor cable ends		Single conductor markable cable ends	
Conforming to standard	NF C 63-023	DIN 46228	NF C 63-023	DIN 46228	NF C 63-023	DIN 46228
Length of cable end	Short-medium-long		Medium		Medium	
Conductor c.s.a. (mm ²)	0.25 to 6	0.5 to 6	2 x 0.75 to 2 x 2.5		0.25 to 2.5	0.5 to 2.5
Packaging	Individual bag (6 mm ²) Strip of tear-off bags Dispenser pack (0.5 to 2.5 mm ²)		Dispenser pack		Strip of tear-off bags	
Type of clip-on marker	-					
Tools available	-					
References	DZ5-CE/AZ5-CE		AZ5-DE		DZ5-CA	
Pages	7/6 7/9	7/8	7/6 and 7/7		7/7	7/9

	Marking accessories for insulated cable ends	Tools
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Single conductor cable ends with facility for clip-in marker tag holder	Clip-on marker tag	Clip-in marker tag holder	Clip-on markers	For fitting clip-on markers	For cabling
NF C63-023	DIN 46228	–			
Medium-long		–			
4 to 50		–			
Strip of tear-off bags (4 mm ²) Individual bag		–			
–			Letter Number Colour	–	
–				Marker holder Tool for quick positioning of markers	Automatic wire stripping tool Automatic wire cutting/stripping tool Cable end crimping tools Wire cutters Insulated screwdriver
DZ5-CA	AR1-SC0	AR1-M	AR1-M	AT1-P	AT1/AT2/AB1
7/7	7/9	7/9		7/10 and 7/11	

Presentation

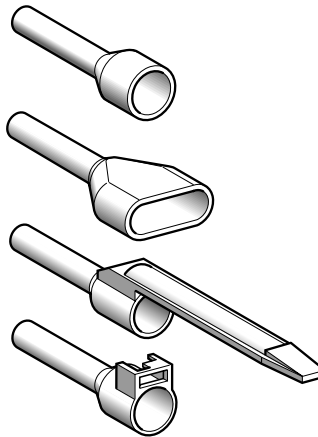
The cable end consists of a tinned copper tube, at the end of which is a moulded, insulating bezel.
The copper tube encases the strands of the flexible conductor and makes it easier to insert it into terminals.
The plastic bezel insulates the conductor from adjacent connections.
In addition, certain models allow marking of the conductors.

General characteristics

Copper tube tinned by electrolysis according to ISO 1337.
Halogen-free plastic insulating bezel.
Temperature withstand - 20 °C to 105 °C.
Conforming to standards NFC 63-023 or DIN 46228.
UL qualification (for certain products).

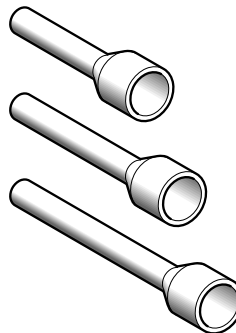
Presentation of the range

4 types



- Single conductor cable ends with insulating bezel
- Twin conductor cable ends with insulating bezel
- Single conductor cable ends with "markable" insulating bezel
- Single conductor cable ends with insulating bezel for fitting clip-on marker tags

3 lengths



- Short: 11 mm, for printed circuit board type mini-connector
- Medium: 13 mm, for industrial applications, connector or screw clamp
- Long: 16.8 mm, for plug-in and spring terminal block applications

4 types of packaging

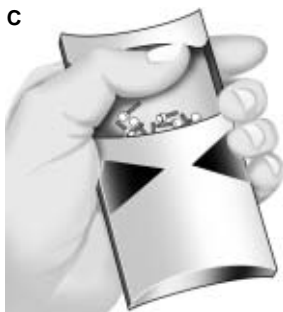
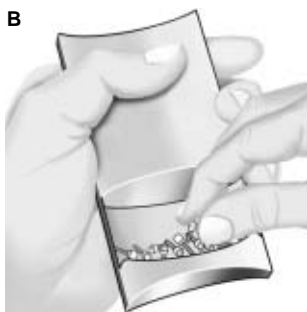
- Dispenser pack: c.s.a. $\geq 2.5 \text{ mm}^2$
- String of 10 detachable bags: c.s.a. $\leq 4 \text{ mm}^2$
- Individual bag: c.s.a. $\geq 6 \text{ mm}^2$
- Bag containing 10 strips of 50 cable ends

2 standards

- Products conforming to standard NF C 63-023
- Products conforming to standard DIN 46228 Part 4

4 types of packaging

3 types of bulk pack



- **Strings of 10 detachable bags** c.s.a. 0.25 mm² to 4 mm² inclusive.
- **Individual bags containing 20 or 100 products** c.s.a. 6 mm² to 50 mm².
- **Dispenser containing 200, 100 or 50 products**
 - c.s.a. 0.5 to 2.5 mm² (single conductor cable ends),
 - c.s.a. 2 x 0.7 to 2 x 2.5 mm² (twin conductors cable ends).

The dispensers are supplied in packs. Each pack contains 5 dispensers.

This type of packaging for cable ends improves working conditions through more rational use:

- it facilitates storage by avoiding mixing up cable ends of different cross sectional areas,
- it immediately identifies the c.s.a. of the cable ends it contains because it is the same colour as these cable ends,
- it is designed for controlled dispensing **A** and automatic storage **C**,
- the cable ends can be easily picked up from the dish-shaped receptacle **B**.

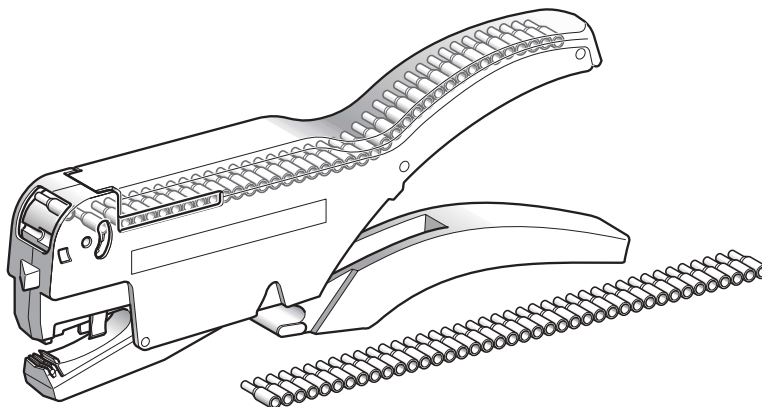
By simply pressing the sides, the dispenser releases the required quantity of cable ends into the receptacle, where they can be picked up, as required. Releasing the pressure on the sides stops the flow of cable ends.

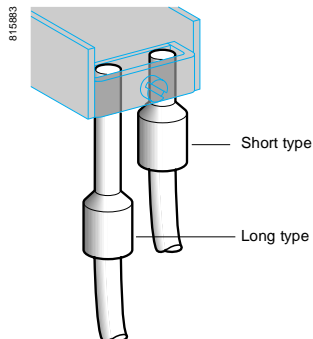
The colour of the dispenser pack corresponds to the colour coding of the Telemecanique cable ends.

The cable end c.s.a. can therefore be selected visually and instantly.

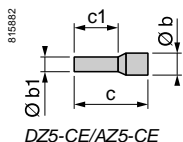
Strips of 50 cable ends, packed in bags of 10 strips

- C.s.a. from 0.5 to 2.5 mm².
- Allows automatic feeding and crimping of cable ends, using crimping tool **AT1-TRIF01**.





DZ5-CE



DZ5-CE/AZ5-CE

Single conductor cable ends (Packed in individual bags or "strings" of bags)

Conductor c.s.a.	Colour	Type	Dimensions				Sold in lots of	Unit reference	Weight per lot	
			Ø b	Ø b1	c	c1				
mm ²	AWG		mm	mm	mm	mm			kg	
0.25	26	Yellow	Short	2.2	1.2	11	6.2	10x100	DZ5-CE002L6	0.055
			Medium	2.2	1.2	13	8.2	10x100	DZ5-CE002	0.060
0.34	24	Green	Short	2.2	1.2	11	6.2	10x100	DZ5-CE003L6	0.055
			Medium	2.2	1.2	13	8.2	10x100	DZ5-CE003	0.060
0.5	22	White	Short	3	1.4	11	6.2	10x100	DZ5-CE005L6 (1)	0.085
			Medium	3	1.4	13	8.2	10x100	DZ5-CE005 (1)	0.090
			Long	3	1.4	16.8	12	10x100	DZ5-CE005L12	0.095
0.75	20	Blue	Short	3.1	1.6	11	6.2	10x100	DZ5-CE007L6 (1)	0.095
			Medium	3.1	1.6	13	8.2	10x100	DZ5-CE007 (1)	0.100
1	18	Red	Short	3.4	1.8	11.5	6.2	10x100	DZ5-CE010L6 (1)	0.095
			Medium	3.4	1.8	13.5	8.2	10x100	DZ5-CE010 (1)	0.100
			Long	3.4	1.8	16.8	12	10x100	DZ5-CE010L12 (1)	0.150
1.5	16	Black	Short	4	2.1	11.5	6.2	10x100	DZ5-CE015L6 (1)	0.110
			Medium	4	2.1	13.5	8.2	10x100	DZ5-CE015 (1)	0.120
			Long	4	2.1	22.8	17.7	10x100	DZ5-CE0153 (1)	0.215
2	14	Yellow	Medium	4.2	2.35	14.5	8.2	10x100	DZ5-CE020	0.135
2.5	14	Grey	Medium	4.6	2.7	14.5	8.2	10x100	DZ5-CE025 (1)	0.150
			Long	4.6	2.7	24	17.7	10x100	DZ5-CE0253 (1)	0.254
4	12	Orange	Medium	5.5	3.3	17.3	9.8	10x100	DZ5-CE042	0.300
			Long	5.5	3.3	25.5	17.5	10x100	DZ5-CE043	0.455
6	10	Green	Medium	7	3.95	20	11.5	1x100	DZ5-CE062	0.045
			Long	7	3.95	26	17.5	1x100	DZ5-CE063	0.065

Single conductor cable ends (In dispenser pack)

0.5	22	White	Medium	3	1.4	13	8.2	5x200	AZ5-CE005 (1)	0.140
0.75	20	Blue	Medium	3.1	1.6	13	8.2	5x200	AZ5-CE007 (1)	0.150
1	18	Red	Medium	3.4	1.8	13.5	8.2	5x200	AZ5-CE010 (1)	0.165
1.5	16	Black	Medium	4	2.1	13.5	8.2	5x200	AZ5-CE015 (1)	0.180
2.5	14	Grey	Medium	4.6	2.7	14.5	8.2	5x100	AZ5-CE025 (1)	0.160

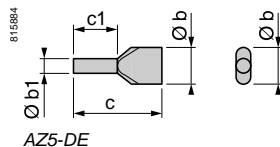
Single conductor cable ends (Strips of 50, packed in bag)

0.5	22	White	Medium	3.1	1.3	14	8	10x50	DZ5-CEB005 (1)	0.380
0.75	20	Blue	Medium	3.3	1.5	14	8	10x50	DZ5-CEB007 (1)	0.470
1	18	Red	Medium	3.5	1.7	14	8	10x50	DZ5-CEB010 (1)	0.500
1.5	16	Black	Medium	4	2	14	8	10x50	DZ5-CEB015 (1)	0.570
2.5	14	Grey	Medium	4.7	2.5	14	8	10x50	DZ5-CEB025 (1)	0.720

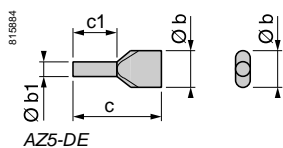
Twin conductor cable ends (In dispenser pack)

2 x 0.75	20	Blue	Medium	2.8 x 5	1.8	15	8	5x100	AZ5-DE007	0.130
2 x 1	18	Red	Medium	3.4 x 5.4	2.05	15	8	5x100	AZ5-DE010	0.140
2 x 1.5	16	Black	Medium	3.6 x 6.6	2.3	15	8	5x100	AZ5-DE015	0.155
2 x 2.5	14	Grey	Medium	4.2 x 7.8	2.9	18.5	10	5x50	AZ5-DE025	0.145

(1) UL certified products

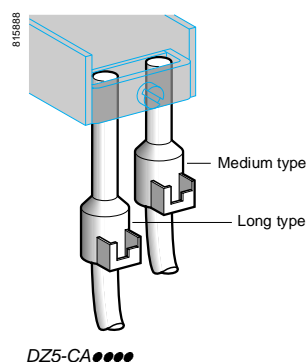


AZ5-DE



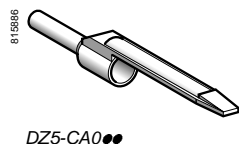
Twin conductor cable ends (Economy packaging, in 1 plastic bag)

Conductor c.s.a.	Colour	Type	Dimensions				Sold in lots of	Unit reference	Weight per lot	
			Ø b	Ø b1	c	c1				
mm ²	AWG		mm	mm	mm	mm			kg	
2 x 0.75	20	Blue	Medium	2.8 x 5	1.8	15	8	1x1000	AZ5-DE0071	0.120
2 x 1	18	Red	Medium	3.4 x 5.4	2.05	15	8	1x1000	AZ5-DE0101	0.130
2 x 1.5	16	Black	Medium	3.6 x 6.6	2.3	15	8	1x1000	AZ5-DE0151	0.145
2 x 2.5	14	Grey	Medium	4.2 x 7.8	2.9	18.5	10	1x500	AZ5-DE0255	0.090



Single conductor markable cable ends (Packed in "strings" of bags)

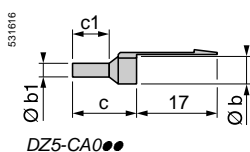
Conductor c.s.a.	Colour	Type	Dimensions				Sold in lots of	Unit reference	Weight per lot	
			Ø b	Ø b1	c	c1				
mm ²	AWG		mm	mm	mm	mm			kg	
0.25	26	Yellow	Medium	2.2	1.2	13	–	10x100	DZ5-CA002	0.140
0.34	24	Green	Medium	2.2	1.2	13	–	10x100	DZ5-CA003	0.140
0.5	22	White	Medium	3	1.4	13	–	10x100	DZ5-CA005 (1)	0.160
0.75	20	Blue	Medium	3.1	1.6	13	–	10x100	DZ5-CA007 (1)	0.160
1	18	Red	Medium	3.4	1.8	13.5	–	10x100	DZ5-CA010 (1)	0.160
1.5	16	Black	Medium	4	2.1	13.5	–	10x100	DZ5-CA015 (1)	0.180
2.5	14	Grey	Medium	4.6	2.7	14.5	–	10x100	DZ5-CA025 (1)	0.250

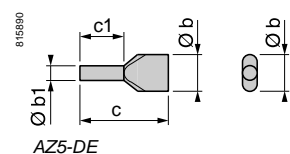
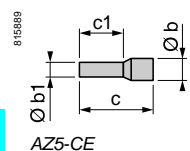
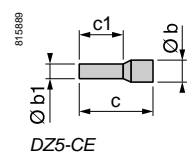
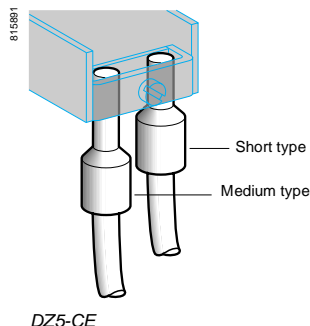


Single conductor cable ends with facility for clip-in marker tag holder

Conductor c.s.a.	Colour	Type	Dimensions				Sold in lots of	Unit reference	Weight per lot	
			Ø b	Ø b1	c	c1				
mm ²	AWG		mm	mm	mm	mm			kg	
4	12	Orange	Medium	5.5	3.3	19.5	11.5	10x100	DZ5-CA042 (1)	0.300
			Long	5.5	3.3	25.5	17.5	10x100	DZ5-CA043 (1)	0.460
6	10	Green	Medium	7	3.95	20	11.5	1x100	DZ5-CA062	0.045
			Long	7	3.95	26	17.5	1x100	DZ5-CA063	0.065
10	8	Brown	Medium	8.4	4.95	21.5	12	1x100	DZ5-CA102	0.057
			Long	8.4	4.95	27	17.5	1x100	DZ5-CA103	0.085
16	6	White	Medium	8.8	6.35	23.5	12	1x100	DZ5-CA162	0.078
			Long	8.8	6.35	29	17.5	1x100	DZ5-CA163	0.100
25	4	Black	Medium	12	8.15	30	17.5	1x100	DZ5-CA253	0.156
35	2	Red	Medium	13.5	9	30	16	1x20	DZ5-CA352	0.054
			Long	13.5	9	39	25	1x20	DZ5-CA353	0.060
50	0	Blue	Medium	15.7	11	36	20	1x20	DZ5-CA502	0.060
			Long	15.7	11	41	25	1x20	DZ5-CA503	0.074

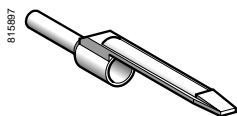
(1) UL certified products



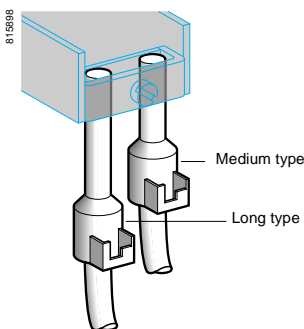


Single conductor cable ends (Packed in individual bags or "strings" of bags)

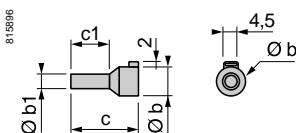
Conductor c.s.a.	Colour	Type	Dimensions	Ø b	Ø b1	c	c1	Sold in lots of	Unit reference	Weight per lot
0.5	White	Short	3	1.4	11	6.2	10x100	DZ5-CE005L6D	0.085	
		Medium	3	1.4	13	8.2	10x100	DZ5-CE005D	0.090	
		Long	3	1.4	16.8	12	10x100	DZ5-CE005L12D	0.095	
0.75	Grey	Short	3.1	1.6	11	6.2	10x100	DZ5-CE007L6D	0.095	
		Medium	3.1	1.6	13	8.2	10x100	DZ5-CE007D	0.100	
1	Red	Short	3.4	1.8	11.5	6.2	10x100	DZ5-CE010L6D	0.095	
		Medium	3.4	1.8	13.5	8.2	10x100	DZ5-CE010D	0.100	
		Long	3.4	1.8	16.8	12	10x100	DZ5-CE010L12D	0.150	
1.5	Black	Short	4	2.1	11.5	6.2	10x100	DZ5-CE015L6D	0.110	
		Medium	4	2.1	13.5	8.2	10x100	DZ5-CE015D	0.120	
		Long	4	2.1	22.8	17.7	10x100	DZ5-CE0153D	0.215	
2.5	Blue	Medium	4.6	2.7	14.5	8.2	10x100	DZ5-CE025D	0.150	
		Long	4.6	2.7	24	17.7	10x100	DZ5-CE0253D	0.254	
4	Grey	Medium	5.5	3.3	17.3	9.8	10x100	DZ5-CE042D	0.300	
		Long	5.5	3.3	25.5	17.5	10x100	DZ5-CE043D	0.455	
6	Yellow	Medium	7	3.95	20	11.5	1x100	DZ5-CE062D	0.045	
		Long	7	3.95	26	17.5	1x100	DZ5-CE063D	0.065	
Single conductor cable ends (In dispenser pack)										
0.5	22	White	Medium	3	1.4	13	8.2	5x200	AZ5-CE005D	0.140
0.75	20	Grey	Medium	3.1	1.6	13	8.2	5x200	AZ5-CE007D	0.150
1	18	Red	Medium	3.4	1.8	13.5	8.2	5x200	AZ5-CE010D	0.165
1.5	16	Black	Medium	4	2.1	13.5	8.2	5x200	AZ5-CE015D	0.180
2.5	14	Blue	Medium	4.6	2.7	14.5	8.2	5x100	AZ5-CE025D	0.160
Single conductor cable ends (Strips of 50, packed in bag)										
0.5	22	White	Medium	3.1	1.3	14	8	10x50	DZ5-CEB005D	0.380
0.75	20	Grey	Medium	3.3	1.5	14	8	10x50	DZ5-CEB007D	0.470
1	18	Red	Medium	3.5	1.7	14	8	10x50	DZ5-CEB010D	0.500
1.5	16	Black	Medium	4	2	14	8	10x50	DZ5-CEB015D	0.570
2.5	14	Blue	Medium	4.7	2.5	14	8	10x50	DZ5-CEB025D	0.720
Twin conductor cable ends (In dispenser pack)										
2 x 0.75	20	Grey	Medium	2.8 x 5	1.8	15	8	5x100	AZ5-DE007D	0.130
2 x 1	18	Red	Medium	3.4 x 5.4	2.05	15	8	5x100	AZ5-DE010D	0.140
2 x 1.5	16	Black	Medium	3.6 x 6.6	2.3	15	8	5x100	AZ5-DE015D	0.155
2 x 2.5	14	Blue	Medium	4.2 x 7.8	2.9	18.5	10	5x50	AZ5-DE025D	0.145



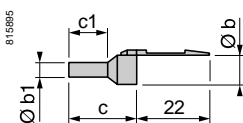
DZ5-CA000



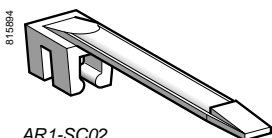
DZ5-CA0000



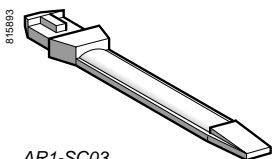
DZ5-CA0000



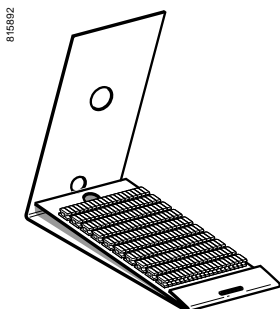
DZ5-CA0000
(with clip-in marker holder)



AR1-SC02



AR1-SC03



AR1-MA01
AR1-MB01
AR1-MC01

Single conductor markable cable ends (Packed in "strings" of bags)

Conductor c.s.a.	Colour	Type	Dimensions	Sold in lots of	Unit reference	Weight per lot				
							Ø b	Ø b1	c	c1
mm ²	AWG		mm	mm	mm	mm				
0.5	22	White	Medium	3	1.4	13	–	10x100	DZ5-CA005D (1)	0.160
0.75	20	Grey	Medium	3.1	1.6	13	–	10x100	DZ5-CA007D (1)	0.160
1	18	Red	Medium	3.4	1.8	13.5	–	10x100	DZ5-CA010D (1)	0.160
1.5	16	Black	Medium	4	2.1	13.5	–	10x100	DZ5-CA015D (1)	0.180
2.5	14	Blue	Medium	4.6	2.7	14.5	–	10x100	DZ5-CA025D (1)	0.250
Single conductor cable ends with facility for clip-in marker tag holder (DIN 46 228)										
4	12	Orange	Medium	5.5	3.3	19.5	11.5	10x100	DZ5-CA042D (1)	0.300
6	10	Green	Medium	7	3.95	20	11.5	1x100	DZ5-CA062D (1)	0.045
10	8	Red	Medium	8.4	4.95	21.5	12	1x100	DZ5-CA102D	0.060
			Long	8.4	4.95	27	17.5	1x100	DZ5-CA103D	0.090
16	6	Blue	Medium	9.8	6.35	23.5	12	1x100	DZ5-CA162D	0.080
			Long	9.8	6.35	29	17.5	1x100	DZ5-CA163D	0.100
25	4	Yellow	Long	12	8.15	30	17.5	1x100	DZ5-CA253D	0.156
35	2	Red	Medium	13.5	9	30	16	1x20	DZ5-CA352D	0.054
			Long	13.5	9	39	25	1x20	DZ5-CA353D	0.060
50	0	Blue	Medium	15.7	11	36	20	1x20	DZ5-CA502D	0.060
			Long	15.7	11	41	25	1x20	DZ5-CA503D	0.072

(1) UL certified products

Marking accessories for insulated, markable cable ends

Description	Sold in lots of	Unit reference	Weight per lot kg	
Clip-on marker tag (1) (for cables 1 to 1.5 mm ²)	100	AR1-SC02	0.100	
Clip-in marker tag holder (1) (for single conductor cable ends DZ5-CA0000, see above)	100	AR1-SC03	0.100	
Wallets of 200 markers for DZ5-CA cable ends or clip-on marker tags (4)	Letters (2)	1 lot	AR1-MB01	0.310
	Numbers (3)	1 lot	AR1-MA01	0.150

Description	Sold in lots of	Unit reference. To be completed (5)	Weight per lot kg
Clip-on markers conforming to NF C 93-011 colour coding	200	AR1-MC01	0.010

(1) For rapid clip-on mounting of up to 7 markers AR1-M000.

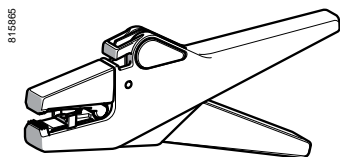
(2) A to Z (200 of each).

(3) 0 to 9 (200 of each).

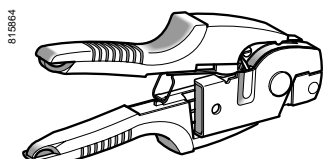
(4) Each lot also comprises 400 earth markers (200 green and 200 yellow), 200 + symbols, 200 – symbols and 1 marker positioning tool.

(5) Complete the reference by adding the number indicating the colour required:

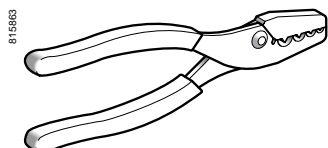
Item	1	2	3	4	5	6	7	8	9	0
Colour	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White	Black



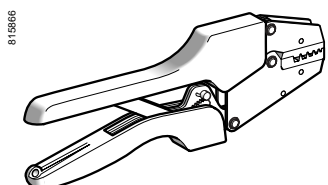
AT1-PA7



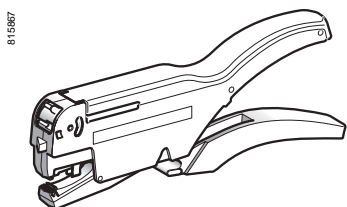
AT2-PE1



AT1-PA2



AT2-PA5



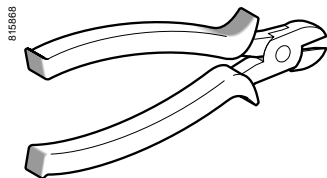
AT2-TRIF01

Cabling accessories

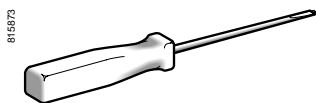
Description	Application	Reference	Weight kg
Automatic wire stripping tool	Strips cable from 0.08 to 4 mm ² , cuts conductors from 0.08 to 6 mm ²	AT1-PA7	0.165
Automatic wire cutting/stripping tool	Cuts and strips in a single operation; automatically adapts to conductors from 0.4 to 4 mm ²	AT2-PE1	0.340
Cable end crimping tools (1)	For cables from 0.5 to 16 mm ²	AT1-PA2	0.210
	For cables from 10 to 35 mm ²	AT1-PA4	0.210
Ratchet type crimping tools for cable ends (1)	For cables from 0.25 to 6 mm ²	AT2-PA5	0.520
	For cables from 10 to 35 mm ²	AT2-PA6	0.520
Cable cutting/stripping and cable end feeding/crimping tool (1) (for use with cable ends packed in strips of 50)	For cables from 0.5 to 2.5 mm ²	AT2-TRIF01	0.164

(1) Cable ends: see pages 7/6 to 7/8

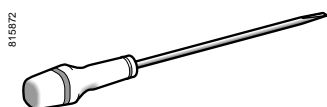
7



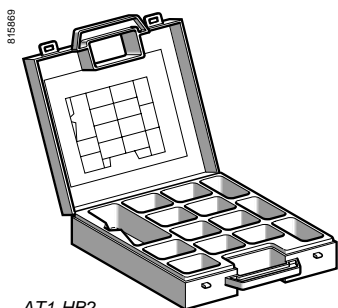
AT2-PB1



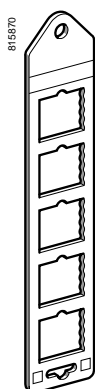
AB1-TV



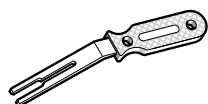
AT2-PT



AT1-HB2



AT1-PS1



AT1-PA1

Cabling accessories (continued)

Description	Cutting diameter for copper/aluminium wires mm	Reference	Weight kg
Cutting pliers	3.5	AT2-PB1	0.200

Description	Shank length mm	Blade dimensions mm	Reference	Weight kg
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Insulated screwdrivers for slotted head screws	100	0.5 x 3.5	AB1-TV3	0.030
	150	0.8 x 5.5	AB1-TV2	0.080
	150	1 x 6.5	AB1-TV1	0.105

Screwdrivers for slotted head screws	75	0.6 x 3.5	AT2-PT1	0.040
	100	0.8 x 4	AT2-PT2	0.045
		1 x 5.5	AT2-PT3	0.080
	150	1.2 x 6.5	AT2-PT4	0.140

Description	Application	Reference	Weight kg
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Storage case (1)	Comprises: - 13 compartments for cable ends - 1 compartment for cutting/stripping tool AT1-PA7	AT1-HB2	0.480
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Accessories for fitting clip-on markers

Description	Application	Reference	Weight kg
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Marker holder	Comprises 10 empty compartments which can each hold 100 AR1-MA01 or AR1-MB01 markers	AT1-PS1	0.300
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Tool for quick positioning of AR1-M001 clip-on markers	On cable end tags (see pages 7/7 and 7/9)	AT1-PA1	0.010
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(1) Cable ends: see pages 7/6 to 7/8