

Colson® cable ties

■ Performance

Conform to EN 62275 type 1 (NFC 68-146)

"cable ties for electrical installations"

Test conditions :

- Temperature : 23 °C
- Relative humidity of air : 50 %
- Traction speed : 25-4 mm/min

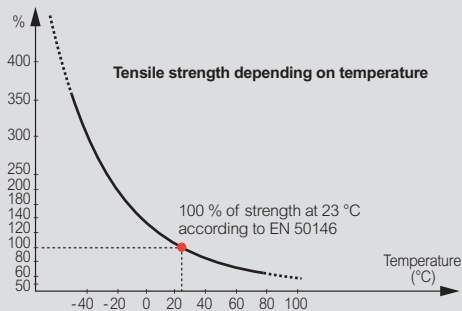
■ Technical data

Constant high quality

Type tests

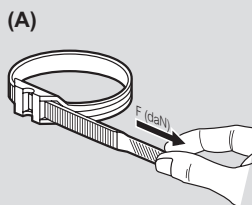
- Raw material test
- Product test on the production line and in the laboratory
- Packaging test

Tensile strength (according to EN 50146)



Quality of tensile strength

Cat. Nos.	Diagram (A) - Max. ratchet force (daN)	Diagram (B) - Tensile strength	
		Test dia. (mm) According to EN 50146	Min. strength (daN)
0319 13	4	20	36
0319 16	5	26	53
0319 19	5	26	53
0319 20	5.5	74	53
0319 21	5.5	74	53
0319 22	4	20	22
0319 25	4	20	22



Fire resistance

- Flame retardant
- Conform to UL 94 requirements, HB classification
- Glow-wire flammability resistance according to IEC 60695-2-11 : 650 °C
- Oxygen index (LOI) according to EN ISO 4589-1/ASTM D 2863-00 : 20 %
- Low fire hazard polyamide

UV protected according to norm IEC 62275 type 1

UV protected black cable ties for outdoor use

These black cable ties have successfully undergone UV resistance and climatic ageing tests representing actual conditions of use

These cycles combine a 1000 hours radiance under arc or xenon lamp according to ISO 4892-2 method 1

Resistance to external agents



- Good resistance to oils, greases, petroleum products, saline mist and diluted acids

Resistance to rain



- Humidity absorption: ≤ 0.7%

Resistance to low temperatures



- Assembly -30 °C
- Fitted -40 °C

Resistance to sun



- Maximum temperatures :
- 85 °C continuous
 - 100 °C @ 1000 hrs
 - UV resistant

Colson approvals

Oxygen index : EN ISO 4589-1 and ASTM D 2863-00, 20 %

Corrosiveness of fumes : NFC 20-453, < 5 %

Flame retardancy : UL 94 HB

Type	Colson black
UV protection	yes
Polyamide material	12
Teeth	external
Halogen free ¹	yes
Humidity absorption ²	<0.7 %
Operating temperature	
- 20,000 hrs	85 °C
- 1,000 hrs	100 °C
Resistance to low temperatures	
- fitted	-40 °C
- assembly	-30 °C
Flame retardancy	UL 94 HB
Oxygen index (LOI) (EN ISO 4589-1/ASTM D 2863-00)	20 %
Self-extinguishing ³	650 °C

1 : Conform to Class I ASTM D 4066

2 : Conform to ISO 62 (EH 0-23 °C

3 : Conform to IEC 60695-2-11

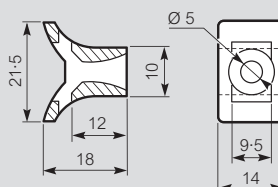
■ Colson traceability

Each Colson cable tie can be identified, underlining Legrand's commitment to the consumer, so that you can always be sure you are using a genuine Colson

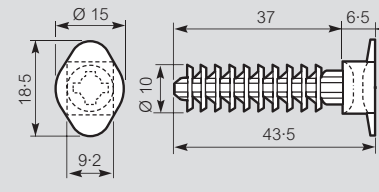
■ Dimensions

Accessories for Colson

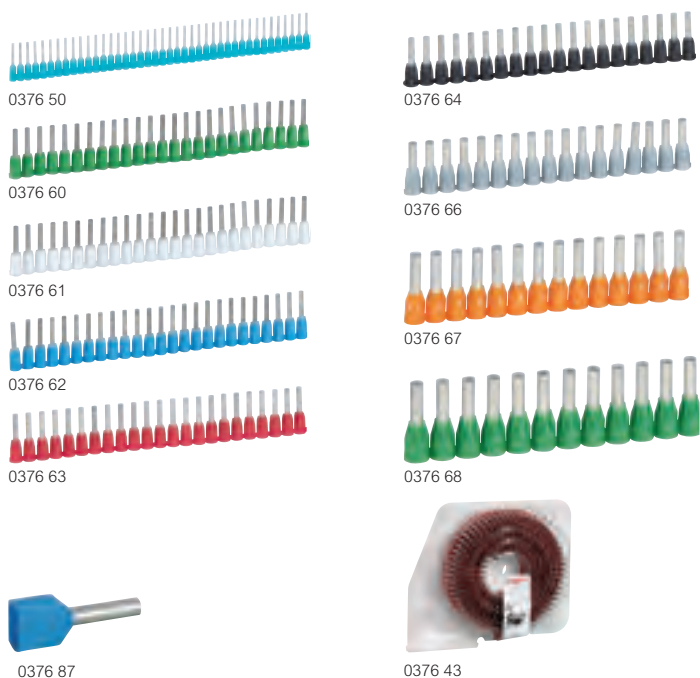
Cat. No. 0319 50



Cat. No. 0319 55



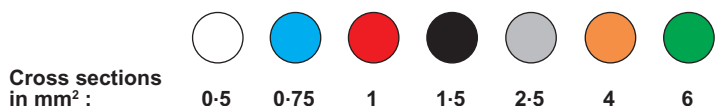
Starfix® ferrules and crimping tools



Technical information p. 149

Pack	Cat. Nos.	Ferrules with insulating flange			
		Provide an equipotential link for all the strands of a flexible conductor Active part in tinned electrolytic copper Conform to NF C 63-023			
		Single ferrules (in strips) Supplied in strips to prevent loss of ferrules			
		For cables cross section (mm ²)	Colour	Strips	Ferrules
500	0376 50	0-25	turquoise	10	50
500	0376 60	0-34	green	10	50
480	0376 61	0-5	white	12	40
480	0376 62	0-75	blue	12	40
1000	0376 63	1-0	red	25	40
1000	0376 64	1-5	black	25	40
1000	0376 66	2-5	grey	25	40
250	0376 67	4-0	orange	10	25
250	0376 68	6-0	green	10	25
		Individual ferrules - single			
100	0376 69	10	brown		
100	0376 70	16	white		
50	0376 71	25	black		
		Individual ferrules - double			
100	0376 87	2 x 0-75	blue		
100	0376 88	2 x 1-0	red		
100	0376 89	2 x 1-5	black		
100	0376 90	2 x 2-5	grey		
		Large capacity refills Large capacity for less frequent applicator reloading Translucent packaging For direct mounting on crimping tool Cat. No. 0376 09			
		Cross section (mm ²)	Colour	Number of ferrules per strip	
3000	0376 41	0-5	White	300	
3000	0376 42	0-75	Blue	300	
3000	0376 43	1-0	Red	300	
3000	0376 44	1-5	Black	300	
2500	0376 45	2-5	Grey	250	

Colours according to NF C 63-023 standard



Cross sections in mm² :

Pack	Cat. Nos.	Crimping tools for ferrules in strips	
		Cut and carry out 4-point crimping of ferrules from 0-25 to 6 mm ² in one operation Recommended for spring connections Dedicated applicator for each crimping tool for dispensing strips For right and left-handed usage 4 point crimping for Cat. Nos. 0376 08/09 3 point crimping for Cat. No. 0376 10	
1	0376 08	For ferrules with 0-25 and 0-34 mm² cross sections Supplied with empty applicator fitted	
1	0376 09	For ferrules with 0-5 to 2-5 mm² cross sections Fitted with an adjustment wheel Supplied with empty applicator fitted	
1	0376 10	For ferrules with 4 and 6 mm² cross sections Fitted with an adjustment wheel Supplied complete with empty applicator	
1	0376 39	Transport case for on-site use Assorted kit, comprising : - 1 Starfix crimping tool, Cat. No. 0376 09 with empty applicator fitted - 120 x 0-5 mm ² ferrules - 120 x 0-75 mm ² ferrules - 240 x 1-0 mm ² ferrules - 320 x 1-5 mm ² ferrules - 200 x 2-5 mm ² ferrules	
1	0376 97	Multi-purpose crimping tool for 0-5 to 2-5 mm² cross sections Tool cuts, strips, twists, crimps Supplied complete with 5 empty applicators	
1	0376 06	Crimping tool for single and double ferrules Starfix crimping tool for 0-25 to 6 mm² cross sections For 4-point crimping of ferrules from 0-25 to 6 mm ² Recommended for spring connections Crimping tool with disengageable control system, crimping at end For right and left-handed usage	
1	0376 92	Transport case for on-site use Assorted kit. Supplied with : - 1 tool with crimping operation control system for individual ferrules 10 to 50 mm ² - 30 individual ferrules 10 mm ² - 20 individual ferrules 16 mm ² - 15 individual ferrules 25 mm ² - 10 individual ferrules 35 mm ² - 10 individual ferrules 50 mm ²	

Download the full file at

<http://assets.kempstoncontrols.com/doc/Legrand%20Industrial%20and%20power%20protection%20catalogue.pdf>



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