

# 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

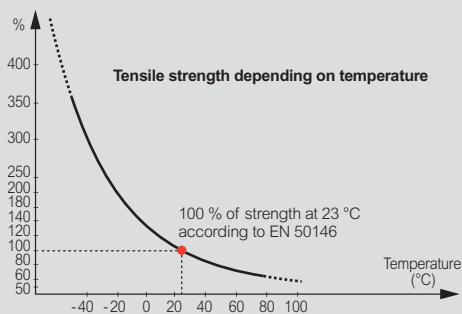
## Technical data

### Constant high quality

Type tests

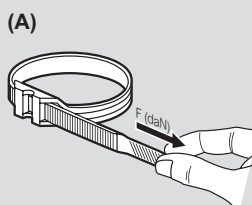
- Raw material test
- Product test on the production line and in the laboratory
- Packaging test

### 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 <sup>1</sup>	yes
Humidity absorption <sup>2</sup>	<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 <sup>3</sup>	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

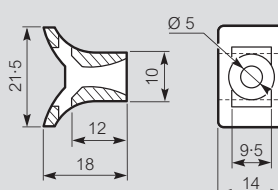
## Colson traceability

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

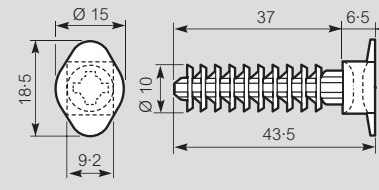
## Dimensions

### Accessories for Colson

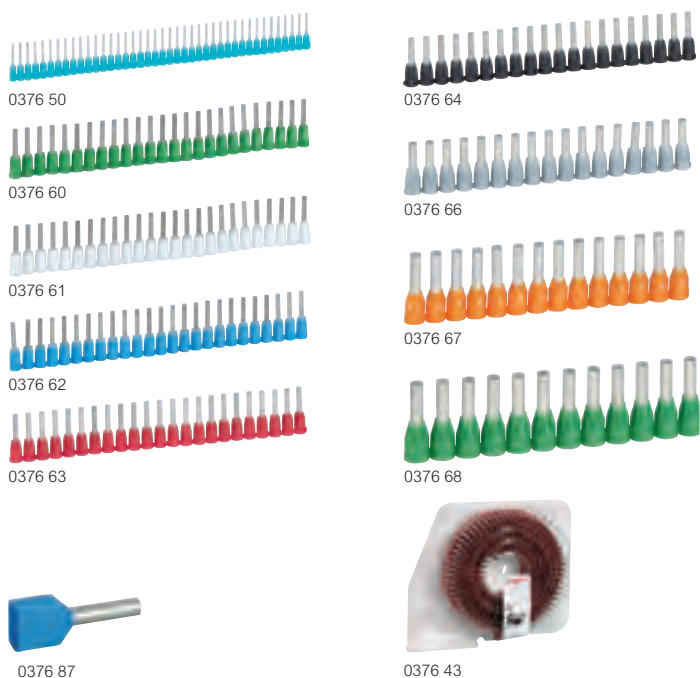
Cat. No. 0319 50



Cat. No. 0319 55



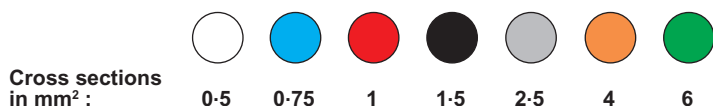
# Starfix® ferrules and crimping tools



Technical information p. 149

Pack	Cat. Nos.	<b>Ferrules with insulating flange</b>			
		Provide an equipotential link for all the strands of a flexible conductor Active part in tinned electrolytic copper Conform to NF C 63-023			
		<b>Single ferrules (in strips)</b> Supplied in strips to prevent loss of ferrules			
		For cables cross section (mm <sup>2</sup> )	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
		<b>Individual ferrules - single</b>			
100	0376 69	10	brown		
100	0376 70	16	white		
50	0376 71	25	black		
		<b>Individual ferrules - double</b>			
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		
		<b>Large capacity refills</b> Large capacity for less frequent applicator reloading Translucent packaging For direct mounting on crimping tool Cat. No. 0376 09			
		Cross section (mm <sup>2</sup> )	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 mm<sup>2</sup> :

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

Download the full file at

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



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