

## Colring® cable ties



0320 15/37/22/24



0320 42 supplied in blister pack



0320 65



0320 70



0320 72



0320 88

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### Pack Cat. Nos. Colring cable ties with internal teeth

Pack	Cat. Nos.	Polyamide 6/6 colourless				
		Width (mm)	Flat length (mm)	Max. Ø grip capacity (mm)	Min. Ø grip capacity (mm)	Weight (g)
		<b>Blister packing</b>				
1000/10000	0320 30	2-4	95	18	1-6	0-26
1000/10000	0320 31	2-4	140	33	1-6	0-37
1000/6000	0320 32	2-4	180	46	1-6	0-47
1000	0320 37	3-5	140	33	1-6	0-57
1000	0320 38	3-5	180	46	1-6	0-73
100/2000	0320 39	3-5	280	77	1-6	1-13
100	0320 40	3-5	360	102	1-6	1-46
1000/4000	0320 42	4-6	180	46	1-6	1-20
100/2000	0320 43	4-6	280	77	1-6	1-88

Pack	Cat. Nos.	Polyamide 6/6 black				
		Width (mm)	Flat length (mm)	Max. Ø grip capacity (mm)	Min. Ø grip capacity (mm)	Weight (g)
		<b>High temperature</b>				
		<b>UV protected</b>				
		<b>Blister packing</b>				
100	0320 12	2-4	95	18	1-6	0-26
100	0320 15	3-5	140	33	1-6	0-57
100	0320 22	4-6	180	46	1-6	1-20
100	0320 24	4-6	360	102	1-6	2-38

Pack	Cat. Nos.	Accessories	
		Description	Weight (g)
		<b>Self-adhesive bases</b>	
100/2000	0320 65	For ties up to 4-6 mm max. width Colourless	
		<b>Screw mounting bases</b>	
1000	0320 70	For ties 4-6 mm max. width Central fixing (screw Ø 4 mm)	
100	0320 72	For ties all widths Central fixing (screw Ø 5 mm)	
		<b>Tool for Colring cable ties</b>	
		Max. width 4-6 mm Direct adjustment of clamping tension by using the milled screw at the base of the handle After clamping, a blade automatically cuts the surplus length close to the head without leaving a burr	
1	0320 88	P 46 tool for cable ties max. width 4-6 mm	

## Colson® cable ties



0319 16



0319 50



0319 55



0319 96

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### Pack Cat. Nos. Colson cable ties

Pack	Cat. Nos.	Ultra-violet (U.V.) resistant cable ties External teeth Black polyamide 12				
		Width (mm)	Flat length (mm)	Max. Ø grip capacity (mm)	Min. Ø grip capacity (mm)	Weight (g)
100/1000	0319 13	9	185	42	10	3-2
100/1000	0319 16	9	265	62	26	4-7
100/1000	0319 19	9	355	92	26	6-9
100/500	0319 20	9	500	140	74	12-7
100	0319 21	9	750	220	74	16-9
100	0319 22	6	119	25	4	1-6
100/1000	0319 25	6	180	45	10	2-0

Pack	Cat. Nos.	Accessories	
		Description	Weight (g)
		<b>Screw-on base for ties max. width 9 mm</b>	
100	0319 50	Height : 12 mm for cartridge-fired stud and rag-bolt Ø 6-35 and 7 and countersunk screws Ø 5 mm	
		<b>Wall plug bases Ø 8 mm drilling</b>	
100/1000	0319 55	Standard	
		<b>Tool for Colson cable ties</b>	
1/10	0319 96	Black and red finish Allows tightening and trimming of Colson ties	

# Colring® and Colson® cable ties

## ■ Technical data - all cable ties

Conform to EN 50146

Type	Colring colourless <sup>(4)</sup>	Colring black <sup>(4)</sup>	Colson black
UV protection	no	yes	yes
Polyamide material	6/6	6/6	12
Teeth	internal or external	internal	external
Halogen free <sup>(1)</sup>	yes	yes	yes
Humidity absorption <sup>(2)</sup>	2.5 %	2.5 %	<0.7 %
Operating temperature			
- 20,000 hrs	85 °C	105 °C	85 °C
- 1,000 hrs	100 °C	120 °C	100 °C
Resistance to low temperatures			
- fitted	-15 °C	-15 °C	-40 °C
- assembly	-10 °C	0 °C	-30 °C
Flame retardancy	UL 94 V2	UL 94 V2	UL 94 HB
Oxygen index (LOI) (EN ISO 4589-1/ASTM D 2863-00)	28.5 %	26 %	20 %
Self-extinguishing <sup>(3)</sup>	850 °C	850 °C	650 °C

(1) Conform to Class I ASTM D 4066 (Class 2 for Colring black)

(2) Conform to ISO 62 (EH 0-23 °C)

(3) Conform to IEC 60695-2-12 for Colring, IEC 60695-2-11 for Colson

(4) Conform to UL 1565, SAE-AS 33671

## ■ Technical data - Colring

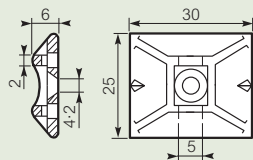
Good resistance to bases, oils, greases and petroleum products  
Limited resistance to acids, sensitive to mineral acids and no resistance to phenol

Cable ties Polyamide 6/6		Max. ratchet force max (daN)	Tensile strength	
Colourless Non U.V. protected	Black High temperature U.V. protected		According to EN 50146	
			Test dia. (mm)	Min. guaranteed strength (daN)
0320 30	0320 12	0.50	18	8.0
0320 31		0.50	20	8.0
0320 32		0.50	20	8.0
0320 37	0320 15	0.50	20	13.0
0320 38		0.50	20	13.0
0320 39		0.50	20	13.0
0320 40		0.50	20	13.0
0320 42	0320 22	0.50	20	22.0
0320 43		0.50	20	22.0
	0320 24	0.50	20	22.0

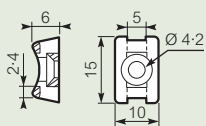
## ■ Dimensions

### Accessories for Colring

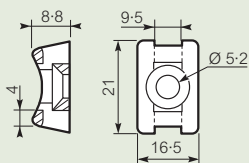
Cat. No. 0320 65



Cat. No. 0320 70

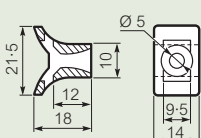


Cat. No. 0320 72

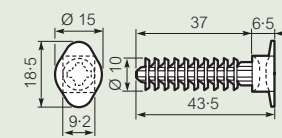


### Accessories for Colson

Cat. No. 0319 50



Cat. No. 0319 55



## ■ Technical data - Colson

### Constant high quality Colson

Type tests

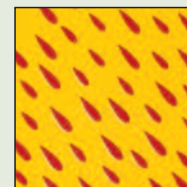
- Raw material test
- Product test on the production line and in the laboratory
- Packaging test

### 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

### 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

### Tensile strength (according to EN 50146)

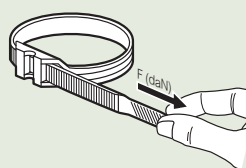
#### Test conditions

- Temperature 23 °C
- Relative humidity of air 50 %
- Traction speed 25.4 mm/mn
- Time of flame application : 10 sec

### Quality of tensile strength

Cat. Nos.	Diagram (A) - Max. ratchet force max (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

(A)



(B)

