

# 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

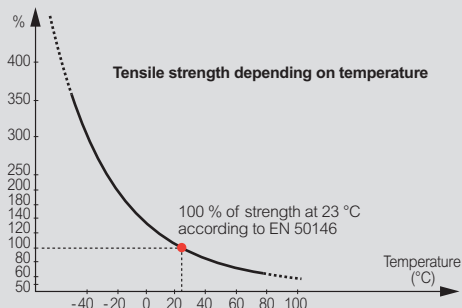
## Technical data

### Constant high quality

Type tests

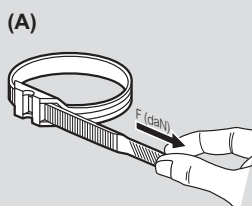
- Raw material test
- Product test on the production line and in the laboratory
- Packaging test

### 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

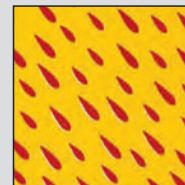
These black cable ties have successfully undergone UV resistance and climatic ageing tests representing actual conditions of use. These cycles combine a 1000 hours radiance under arc or xenon lamp according to ISO 4892-2 method 1

### 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

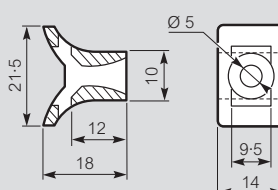
## Colson traceability

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

