

Cable tie specification guide

OPERATING TEMPERATURE

Always check the operating temperature, especially if the cable tie is to be installed in an application where extreme temperature may occur. Not all ties are made with the same material characteristics and some can become brittle at low temperatures and soften at high temperatures

Legrand recommends

- Colring polymide 6/6 black cable ties (operating temperature: -15°C to +120°C)
- Colson polymide 12 black cable ties (operating temperature: -40°C to +100°C)

ENVIRONMENT

Establish if the cable tie is being used inside or outside. Exposure to sunlight and UV rays can damage and break down the material causing the tie to weaken and fracture. Always choose a UV protected cable tie for external applications

Legrand recommends

- Colring polyamide 6/6 black or Colson polyamide 12 black UV protected cable ties for external usage

TENSILE STRENGTH

Consider the load that the cable tie will need to deal with. Tensile strength is the maximum stress that a material can withstand while being stretched or pulled before failing or breaking

Legrand recommends

 Colson polyamide 12 black UV protected cable ties for heavy load applications

For more information please contact Legrand on:

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HALOGENS

Are halogen free cable ties required?
Halogens are a group of highly reactive elements.
Products containing halogens can produce highly dangerous gases when burned, and can therefore be life threatening in the event of a fire

Legrand recommends

- Colring and Colson cable ties, both of which are halogen free

INTERNAL OR EXTERNAL TEETH

Cable ties with external teeth are particularly useful in applications where internal teeth could cause damage. An example of this is for suspended lines, where damage to insulation needs to be avoided

Legrand recommends

- Colson polyamide 12 black UV protected cable ties with external teeth

EXTERNAL AGENTS

Ensure that the cable ties are resistant to any external agents they may be exposed to, such as oils, greases, petroleum products and chlorinated solvents. This is particularly important for extreme environments

Legrand recommends

- Colring cable ties for environments where oils, greases, petroleum products and chlorinated solvents may be present
- Colson cable ties for environments where oils, greases, petroleum products, saline mist and diluted acids may be present

FIRE PROPAGATION

Is there a fire risk? This will affect the type of cable tie required. We would always recommend fire resistant cable ties to guarantee the safety of persons and property in the event of a fire

Legrand recommends

- All Legrand cable ties are flame retardant with a fire resistance to UL 94



Colring® cable ties

Colson® cable ties







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Pack	Cat. Nos.	Colring	cable ties	with inte	rnal teeth			
		With self-locking head Conform to EN 62275 type 1 (NF C 68-146)						
		Polyami	Polyamide 6/6 colourless					
		Blister pa	Blister packed					
		Width (mm)	Flat length (mm)	Max. Ø grip capacity (mm)	Min. Ø grip capacity (mm)	Weight (g)		
1000 1000 1000 1000 1000 1000 100 1000 1000	0320 30 0320 31 0320 32 0320 37 0320 38 0320 39 0320 40 0320 42 0320 43	2·4 2·4 2·4 3·5 3·5 3·5 4·6 4·6	95 140 180 140 180 280 360 180 280	18 33 46 33 46 77 102 46 77	1.6 1.6 1.6 1.6 1.6 1.6 1.6	0·26 0·37 0·47 0·57 0·73 1·13 1·46 1·20 1·88		
		Polyamide 6/6 black						
		High temperature UV protected Blister packed						
100 100 1000 100	0320 12 0320 15 0320 22 0320 24	2·4 3·5 4·6 4·6	95 140 180 360	18 33 46 102	1·6 1·6 1·6 1·6	0·26 0·57 1·20 2·38		

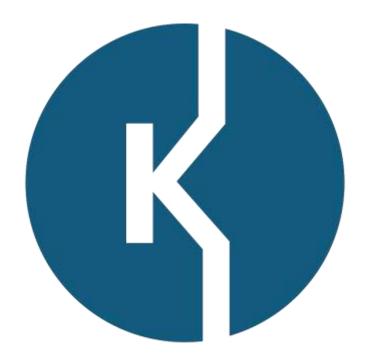
100	0320 24	4.6		360	l	102		1.6		2.3
		Acces	sor	ies						
		Self-ad	hes	ive bas	e					
100	0320 65	For ties Colourle		to 4·6 m	nm m	ıax. wic	dth			
		Screw	nοι	ınting l	oase	s				
1000	0320 70	For ties Central								
100	0320 72		all v	vidths		,				
		Tool for	r Co	lring c	able	ties				
		Max. wind Direct a the miller After classurplus a burr	djus ed s amp	stment of crew at ing, a b	of cla the blade	base of autom	f the atica	handle ally cuts	e s the	9
1	0320 88	P 46 too	ol fo	r cable	ties					

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Pack	Cat. Nos.	Colson	UV protec	ted cable	ties	
		Conform to EN 50146 and IEC 62275 UV protected External teeth Black polyamide 12				
		Width (mm)	Flat length (mm)	Max. Ø grip capacity (mm)	Min. Ø grip capacity (mm)	Weight (g)
100 100 100 100 100 100	0319 13 0319 16 0319 19 0319 20 0319 21 0319 22 0319 25	9999966	185 262 357 498 750 119	42 62 92 140 220 25 45	10 26 26 74 74 4	3·2 4·7 6·9 12·7 16·9 1·6 2·0

		Accessories
		Screw-on base
100	0319 50	Black For ties max. width 9 mm. Height: 12 mm for cartridge-fired stud and rag-bolt Ø 6:35 mm, metal stud Ø 7 mm and countersunk screws Ø 5 mm
		Wall plug base
100	0319 55	Black Ø 8 mm drilling
		Tool for Colson cable ties
1	0319 96	Black and red finish Allows tightening and trimming of Colson ties

http://assets.kempstoncontrols.com/doc/Legrand%20industrial%20and%20power%2 Oprotection%20catalogue.pdf



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