

Colring™ equipment cable ties

■ Performance

Conform to EN 50146 "cable ties for electrical installations"
UL 1565 approval
Conform to SAE - AS 33671

Ratchet and tensile strength

Colring cable ties		Max. ratchet force (daN)	Min. tensile strength (daN) According to UL 1565 and EN 50146
Black High temperature U.V. protected	Colourless		
318 00 - 320 12	318 40/20 - 320 30	1	8
318 01 - 320 13	318 41/21 - 320 31	1	8
318 02 - 320 14	318 42/22 - 320 32	1	8
318 03 - 320 15	318 43/23 - 320 37	1	13
318 04 - 320 18	318 44/24 - 320 38	1	13
318 05 - 320 19	318 45/25 - 320 39	1	13
318 06 - 320 20	318 26 - 320 40	1	13
318 07 - 320 22	318 47/27 - 320 42	1.5	22
318 08 - 320 23	318 48/28 - 320 43	1.5	22
318 09 - 320 24	318 49/29 - 320 44	1.5	22
318 13	318 33	1.5	22
318 10	318 30 - 320 47	2	53
318 14	318 34	2	53
318 11 - 320 29	318 31 - 320 49	2	53
318 15 - 320 25	318 35 - 320 45	2	53
318 12	318 32 - 320 50	2	53
318 16 - 320 26	318 36 - 320 46	2	77
318 17 - 320 27	318 37 - 320 48	2	77
318 18 - 320 28	318 38 - 320 51	2	111
	320 61	0.5	8
	320 63	0.5	22

Temperature resistance

	Colring colourless	Colring black
- Max. operating temperature	85°C (1000 h at 100°C)	105°C ⁽¹⁾ (1000 h at 120°C)
Min. temperature		
- operating	- 15°C	- 15°C
- installation	- 10°C	0°C

External agents resistance

Good resistance to bases, oils, greases, petroleum products, chlorinated solvents.
Humidity retention: 2.5%

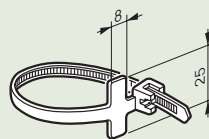
Fire resistance

Flame resistance UL 94: V2
Self extinguishing 850°C acc. to IEC 60695-2-12
Oxygen index: EN ISO 4589-1 / ASTM D 2863-00: 28,5% (26% for Colring black)
Corrosiveness of fumes (NFC 20-453): < 5%
Halogen-free polyamide, class 1 acc. to ASTM D 4066 (Class 2 for Colring black)

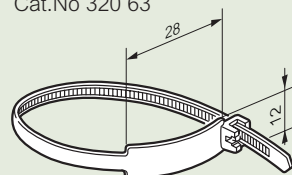
■ Dimensions

Identification cable ties

Cat.No 320 61

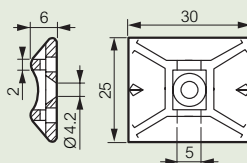


Cat.No 320 63

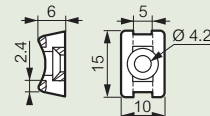


Accessories

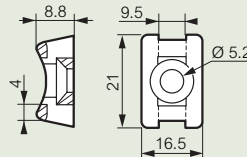
Cat.Nos 320 65/67



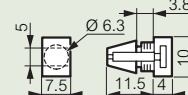
Cat.No 320 70



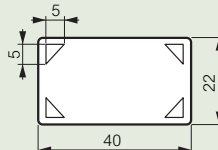
Cat.No 320 72



Cat.No 320 76



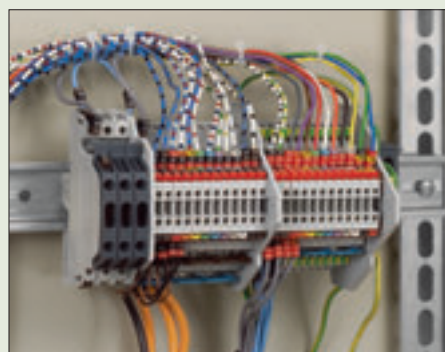
Cat.No 320 85



■ Examples of use



Duplex marker holders Cat.No 384 52, attached using 2 Colring cable ties Cat.No 320 31, equipped with labels



Colring cable ties to maintain cables in an enclosure

(1) Max. operating temperature for Cat.Nos 320 25/26/27/28 and 318 00 to 18: 85°C