

Cable Ties - Nylon Polyamide 66

HALOGEN FREE

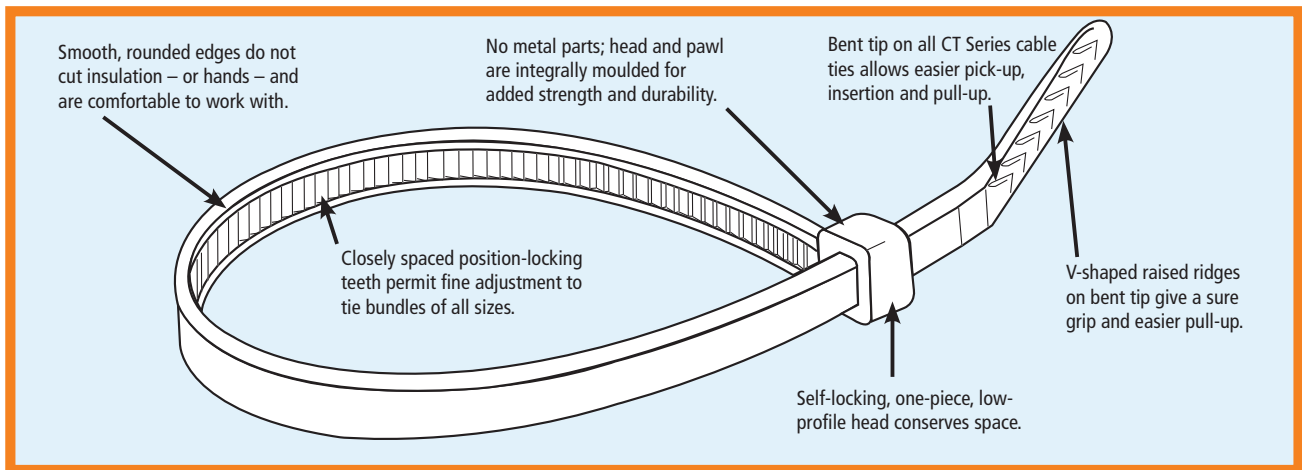
Our ties meet most basic cable tie needs, with choices covering a wide range of requirements for size and strength. One-piece, injection-moulded construction provides maximum strength and adjustability for securing all sizes of bundles. Extra features such as rounded edges and bent-tip design make installation easy, fast, accurate and secure. Installation tools are not required but are suggested where controlled, uniform tension and cut-off applications are desired.

Split mandrel, loop tensile strength tests show that the most vulnerable stress point for a nylon cable tie is its pawl. There is a trade-off between insertion/pull-up ease and strength of a cable tie. The stronger the pawl, the more

force is required to insert and pull up the strap as it engages the pawl teeth. Cable ties are designed to optimise insertion ease and still meet or exceed all applicable strength requirements. This magnified cross-section illustrates our full four-tooth locking engagement between strap and pawl under load. This intimate contact between pawl and strap teeth, ensures that the strength of the pawl is fully utilised.

Installations under conditions of full tropical sun and/or very low relative humidity, must be referred to CABAC design engineers for evaluation and recommendations.

Exterior applications should use black (U.V. stabilised) ties.



Technical Data

Conformant Standards

UL; Mil Spec; IEC; VDE; DIN

Refer

MS 3367 MS 3368-physical dimensions
 Mil-S-23190E - testing
 Mil-Std-105D - sampling
 Mil-C-45662 - test equipment calibration
 Mil-1-45208A - QC manual and systems

Smoke Emission

Low smoke / Halogen free

Material

NATURAL - Nylon 66 with additives
 BLACK - Nylon 66 with UV stabilisers

Material Tensile Strength

80 N/mm² or 11200 psi

Electrical data

Breakdown voltage 20 kV/mm
 Volume resistivity 2×10^{10} ohm cm
 Moisture content 2.5% w.v. @ 23%/50%RH

Operating Temperature

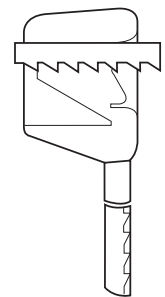
-40°C to 85°C

Flammability

Passed - U.L. 94V-2

UV Stability

Exceeds ASTM-D-4066 with 2.5% carbon black giving nominal 15 years normal exposure to UV with less than 10% yield in tensile strength.



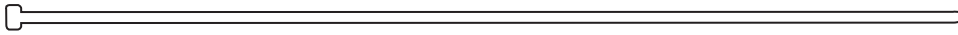
Multi Toothed Pawl

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Catalogue No. Black (UV Rated)	Catalogue No. Natural	Loop Tensile Strength	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Packs Available
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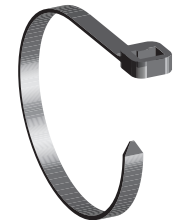
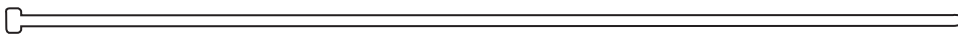
Light Duty Ties

CT196BK-LD	CT196NT-LD	8	53	200	2.5	1.1	100
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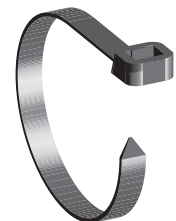
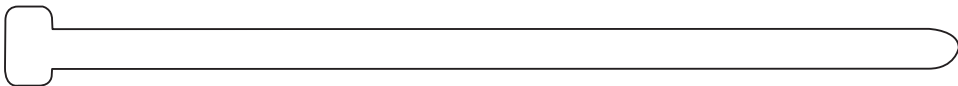
Standard Duty Ties

CT98BK	CT98NT	8	22	100	2.5	1.1	100/1000
CT140BK	CT140NT	18	33	140	3.6	1.2	100/1000
CT200BK	CT200NT	22	50	200	4.8	1.3	100/1000
CT250BK	CT250NT	22	60	250	4.8	1.4	100/1000
CT290BK	CT290NT	22	76	300	4.8	1.4	100/1000
CT360BK	CT360NT	22	102	370	4.8	1.4	100
CT430BK		22	110	430	4.8	1.4	100



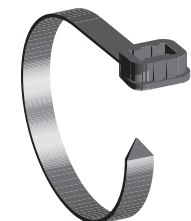
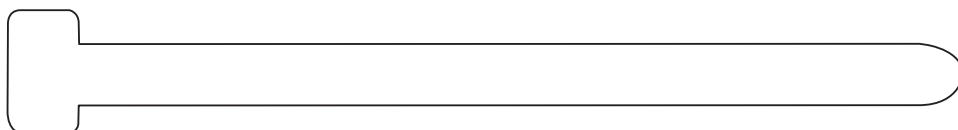
Heavy Duty Ties

CT203BK-HD	CT203NT-HD	54	50	200	7.6	2.1	100
CT365BK-HD	CT365NT-HD	54	102	370	7.6	2.1	100
CT540BK-HD		54	140	533	7.6	2.1	25
CT710BK-HD	CT710NT-HD	79	190	710	9.0	2.1	25
	CT838NT-HD	79	239	812	9.0	2.1	25
CT1220BK-HD		79	365	1220	9.0	2.1	25
CT1530BK-HD		79	460	1530	9.0	2.1	25



Ultra Heavy Duty Ties

CT500BK-UHD		114	120	480	12.6	2.1	25/100
CT600BK-UHD		114	152	580	12.6	2.1	25

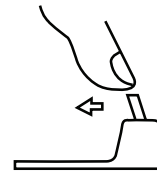
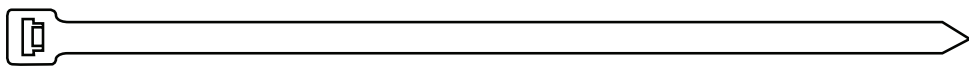


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Catalogue No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Packs Available
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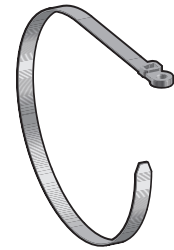
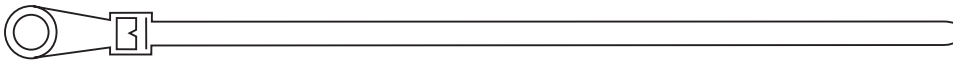
Releasable Cable Ties

							Colour
CTR140BK	18	33	140	3.6	1.2	100	Black
CTR200BK	22	50	200	4.8	1.3	100	Black
CTR290BK	22	76	300	4.8	1.4	100	Black
CTR365BK-HD	54	102	370	7.6	2.1	100	Black
CTR500NT	114	120	480	12.6	2.1	25	Natural



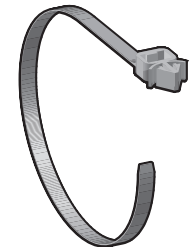
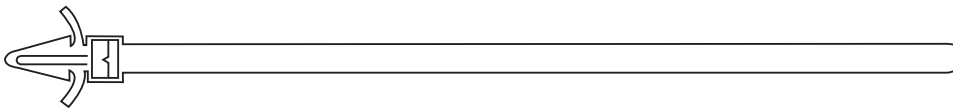
Mounting Head Ties

							Screw Size
CT140MH/NT	18	32	150	3.6	1.2	100	4.2
CT200MH/NT	22	50	200	4.8	1.3	100	5.5
CT365MH/NT	54	98	375	7.6	2.1	100	6.3



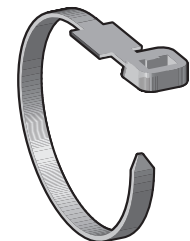
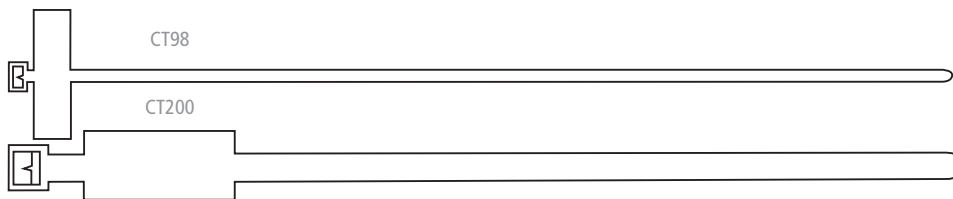
Push Mount Ties

							Hole Size
CT200PM/NT	22	50	203	4.8	1.4	100	6.4



Identification Ties

							Tag Size
CT98ID/100	8	25	100	2.5	1.1	100	25 x 8
CT200ID/NT	22	50	200	4.8	1.3	100	28 x 13



CABAC's identification ties have a tag moulded to the tie which can be written on using our **CTMP** marking pen.

