

3M™ Steel Barb Cable Ties

Data Sheet

April 2019

Description 3M™ Steel Barb Cable Ties are molded from 6/6 nylon and are available in a variety of sizes including weather-resistant black for outdoor use. The pawl is manufactured from 304 stainless steel.

Agency Approvals & Self Certifications Products are UL Listed per UL Standard 62275 for Cable Management Systems, Type 21 or 21S. All ties are suitable for use in Air Handling spaces (AH-2)

Black colored ties are manufactured using a UV-resistant material and are UL Listed as suitable for use outdoors.
U.L. File # E116841

For RoHS and REACH information, please visit www.3M.com/regs

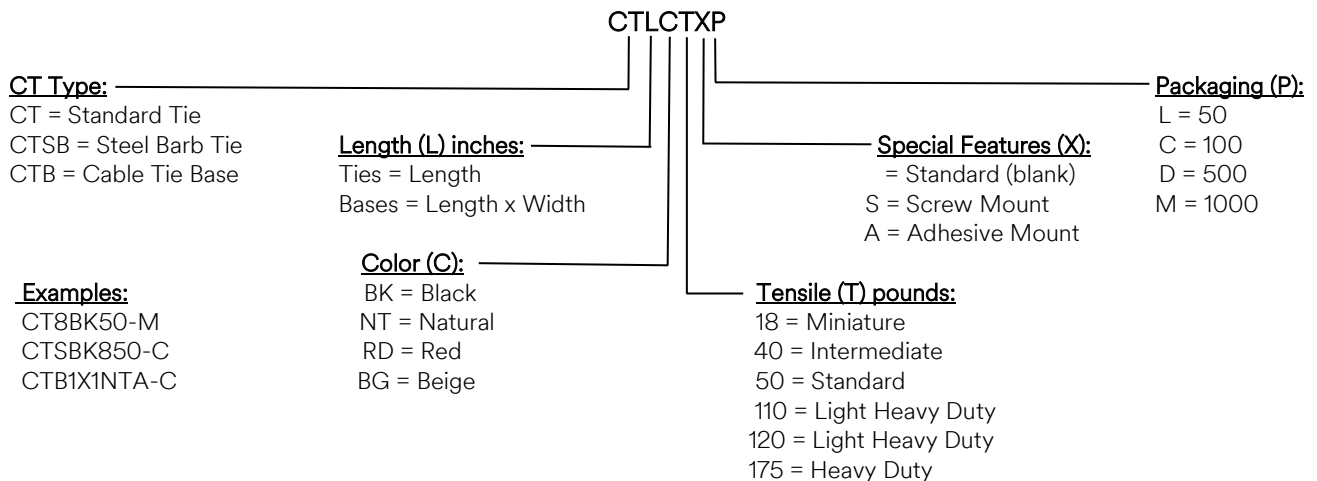
Applications 3M™ Steel Barb Cable Ties are used to secure wire bundles and harness components quickly. The flexible design allows the user to slip ties easily under and around cables and harnesses. The stainless steel pawl design provides a secure and reliable grip.

Specifications

Open Specifications
All ties must be U.L. Listed, Type 21 or 21S, and tested to U.L. Standard 62275 for Cable Management Systems.

Closed Specifications
Product must be 3M™ Steel Barb Cable Ties, U.L. Listed, Type 21 or 21S, and tested to U.L. Standard 62275 for Cable Management Systems

Ordering Information



3M™ Steel Barb Cable Ties

Natural Nylon 6/6 Steel Barb Cable Ties

Part Number	Length in (mm)	Width in (mm)	Thickness in (mm)	Max Bundle Diameter in (mm)	Tensile lb (N)	Min Operating Temp °C (°F)	Max Operating Temp °C (°F)	Min Install Temp °C (°F)	Bag Quantity
-------------	----------------	---------------	-------------------	-----------------------------	----------------	----------------------------	----------------------------	--------------------------	--------------

Miniature (Type 21)

CTSB4NT18-C	4.0 (102)	.09 (2,4)	.04 (1,0)	.90 (23)	18 (80)	-40 (-40)	85 (185)	-40 (-40)	100
CTSB8NT18-C	7.9 (201)	.09 (2,4)	.04 (1,0)	2.00 (51)	18 (80)	-40 (-40)	85 (185)	-40 (-40)	100

Intermediate (Type 21)

CTSB6NT40-C	6.1 (155)	.14 (3,6)	.05 (1,3)	1.37 (35)	40 (178)	-40 (-40)	85 (185)	-40 (-40)	100
-------------	-----------	-----------	-----------	-----------	----------	-----------	----------	-----------	-----

Standard (Type 21S)

CTSB8NT50-C	7.3 (186)	.19 (4,8)	.06 (1,5)	1.77 (45)	49 (220)	-40 (-40)	85 (185)	-40 (-40)	100
CTSB8NT50-M	7.3 (186)	.19 (4,8)	.06 (1,5)	1.77 (45)	49 (220)	-40 (-40)	85 (185)	-40 (-40)	1000
CTSB11NT50-C	11.6 (295)	.19 (4,8)	.06 (1,5)	3.19 (81)	49 (220)	-40 (-40)	85 (185)	-40 (-40)	100
CTSB11NT50-M	11.6 (295)	.19 (4,8)	.06 (1,5)	3.19 (81)	49 (220)	-40 (-40)	85 (185)	-40 (-40)	1000
CTSB15NT50-C	14.8 (376)	.19 (4,8)	.06 (1,5)	4.21 (107)	49 (220)	-40 (-40)	85 (185)	-40 (-40)	100
CTSB15NT50-M	14.8 (376)	.19 (4,8)	.06 (1,5)	4.21 (107)	49 (220)	-40 (-40)	85 (185)	-40 (-40)	1000

Light Heavy Duty (Type 21S)

CTSB15NT120-L	15.7 (400)	.39 (10,0)	.07 (1,7)	4.29 (109)	124 (550)	-40 (-40)	85 (185)	-40 (-40)	50
CTSB15NT120-D	15.7 (400)	.39 (10,0)	.07 (1,7)	4.29 (109)	124 (550)	-40 (-40)	85 (185)	-40 (-40)	500
CTSB18NT120-L	17.7 (450)	.39 (10,0)	.07 (1,7)	4.88 (124)	124 (550)	-40 (-40)	85 (185)	-40 (-40)	50
CTSB28NT110-L	27.5 (699)	.28 (7,0)	.06 (1,6)	7.99 (203)	112 (500)	-40 (-40)	85 (185)	-40 (-40)	50

UV Resistant Black Nylon 6/6 Steel Barb Cable Ties

Part Number	Length in (mm)	Width in (mm)	Thickness in (mm)	Max Bundle Diameter in (mm)	Tensile lb (N)	Min Operating Temp °C (°F)	Max Operating Temp °C (°F)	Min Install Temp °C (°F)	Bag Quantity
-------------	----------------	---------------	-------------------	-----------------------------	----------------	----------------------------	----------------------------	--------------------------	--------------

Miniature (Type 21)

CTSB4BK18-C	4.0 (102)	.09 (2,4)	.04 (1,0)	.90 (23)	18 (80)	-40 (-40)	85 (185)	-40 (-40)	100
CTSB8BK18-C	7.9 (201)	.09 (2,4)	.04 (1,0)	2.00 (51)	18 (80)	-40 (-40)	85 (185)	-40 (-40)	100

Intermediate (Type 21)

CTSB6BK40-C	6.1 (155)	.14 (3,6)	.05 (1,3)	1.37 (35)	40 (178)	-40 (-40)	85 (185)	-40 (-40)	100
-------------	-----------	-----------	-----------	-----------	----------	-----------	----------	-----------	-----

Standard (Type 21S)

CTSB8BK50-C	7.3 (186)	.19 (4,8)	.06 (1,5)	1.77 (45)	49 (220)	-40 (-40)	85 (185)	-40 (-40)	100
CTSB8BK50-M	7.3 (186)	.19 (4,8)	.06 (1,5)	1.77 (45)	49 (220)	-40 (-40)	85 (185)	-40 (-40)	1000
CTSB11BK50-C	11.6 (295)	.19 (4,8)	.06 (1,5)	3.19 (81)	49 (220)	-40 (-40)	85 (185)	-40 (-40)	100
CTSB11BK50-M	11.6 (295)	.19 (4,8)	.06 (1,5)	3.19 (81)	49 (220)	-40 (-40)	85 (185)	-40 (-40)	1000
CTSB15BK50-C	14.8 (376)	.19 (4,8)	.06 (1,5)	4.21 (107)	49 (220)	-40 (-40)	85 (185)	-40 (-40)	100
CTSB15BK50-M	14.8 (376)	.19 (4,8)	.06 (1,5)	4.21 (107)	49 (220)	-40 (-40)	85 (185)	-40 (-40)	1000

Light Heavy Duty (Type 21S)

CTSB15BK120-L	15.7 (400)	.39 (10,0)	.07 (1,7)	4.29 (109)	124 (550)	-40 (-40)	85 (185)	-40 (-40)	50
CTSB15BK120-D	15.7 (400)	.39 (10,0)	.07 (1,7)	4.29 (109)	124 (550)	-40 (-40)	85 (185)	-40 (-40)	500
CTSB18BK120-L	17.7 (450)	.39 (10,0)	.07 (1,7)	4.88 (124)	124 (550)	-40 (-40)	85 (185)	-40 (-40)	50
CTSB28BK110-L	27.5 (699)	.28 (7,0)	.06 (1,6)	7.99 (203)	112 (500)	-40 (-40)	85 (185)	-40 (-40)	50

3M™ Steel Barb Cable Ties

Availability	Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1.800.245.3573.
Shelf Life & Storage	3M™ Steel Barb Cable Ties have a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).

3M is a trademark of 3M Company.

Important Notice	All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.
Warranty; Limited Remedy; Limited Liability	This product will be free from defects in material and manufacture at the time of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any direct, indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.



Electrical Markets Division

Austin, TX
800.245.3573
FAX: 800.245.0329
www.3M.com/electrical

Please recycle
© 3M 2019. All rights reserved.
78-8141-6803-1 Rev B