

PRODUCT BROCHURE

Ty-Rap® Deltec® cable tie and support system

Designed to perform a minimum of 20 years outdoors!





Designed to withstand harsh outdoor environments.

- Power transmission and distribution
- Metals and mining
- Renewable energy
- Marine
- Agriculture
- Civil infrastructure
- Oil and gas

Applications

- Cable strapping and bundling on utility poles
- Next to conveyors to funnel cables to motors, equipment and lights
- For wire and harness bundling on large equipment
- To hold solar panels in place or run cables behind the panels
- To lash and bundle cables in wind turbines
- For cable management and support on docks, piers and pilings
- For bundling and lashing hoses and wiring on irrigation systems and farm equipment
- Pipeline cabling support system
- Outdoor bundling of cable and fiber optics in cable tray



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Lost-time accidents and downtime are often the result of using traditional metal bundling and support systems for high strength and harsh environment applications. Metal support systems can be both difficult and dangerous to install. They can also nick or cut through cable insulation. Insulation failures lead to dangerous and costly situations. There are few options outside of traditional metal for bundling and supporting cable that will withstand the harshest of environments and offer extended outdoor life.



In response to the demand for a better solution, ABB engineers developed the Deltec cable support system. The Deltec system is safe and easy to install with a guaranteed weatherable life, even at temperatures as low as -85 °F.



A three-piece, three-material engineered design provides the ideal solution for bundling in harsh outdoor environments. The Deltec system combines the strength and rigidity of an injection-molded head with marine-grade copper barbs and a soft and pliable, stress-resistant, extruded body. The unique multi-piece design with separate head and strapping also allows installers to select and customize the strap length for any application. The Deltec system provides the ultimate in cable support and management for your most demanding applications.

Advantages of the Deltec system include:

- Designed to perform a minimum of 20 years outdoors
- Continuous use temperature: -85 °F to 194 °F (-65 °C to 90 °C)
- No sharp edges
- Perfect for coaxial, fiber optic and all other communication and electrical conducting cables
- Total flexibility in length when using reel
- Extruded body provides total flexibility in length from 10" to 5,000 feet
- Made in the USA
- Rodents and other pests won't eat it
- Strap and body: weatherable acetal; offers superior resistance to sunlight, moisture and salt environments
- Locking device: marine-grade corrosion-resistant copper alloy
- Installation temperature range: -30 °F to 150 °F (-34 °C to 66 °C)
- Minimum tensile strength: 250 lbs. (1,211 N)
- Continuous load: 20 lbs. (9.07 kg)



Deltec® system



Deltec strap dispenser on reels

Cat. no.	Description	Tensile strength (lbs./N)	Body width (in./mm)	Std. pkg. qty.	UPC no.
CSS-50R	50' Reel of strap	250/1,112	0.50/12.70	1	786210-70069
696-41794	1,000' Reel of strap	250/1,112	0.50/12.70	1	786210-07039



Deltec installation/cutting tool

Cat. no.	Description	Range (in.)	Wt. each (oz.)	Std. pkg. qty.	UPC no.
WT3D	Installs self-locking Ty-Rap® cable ties and ABB lashing ties	0.184–0.500	8	1	786210-83503

- Twist tool handle one-half turn to cut strapping



Deltec locking heads

Cat. no.	Description	Std. pkg. qty.	UPC no.
CSS-LH	Heads (for 250 lb. Deltec strap)	25	786210-70172
696-41795	Heads (for 250 lb. Deltec strap)	1,000	786210-06675

- Made of weatherable acetal
- Color — black



Deltec modular stackable cable spacers

Cat. no.	Description	Std. pkg. qty.	UPC no.
TCP5255	Modular stackable spacer for Deltec straps	25	786210-71338
TCP360	For coaxial cable	100	786210-78784

- Made of weather-resistant polypropylene
- Color — Black



Deltec cable tie with double-locking head

Cat. no.	Body width (in./mm)	Tie (in./mm)	Max. bundle dia. (in./mm)	Tensile strength (lbs./N)	Std. pkg. qty.	UPC no.
CSS-100	0.5/12.70	10.0/254.00	3/76.20	250/1,112	50	786210-16740
CSS-135	0.5/12.70	13.5/342.90	3.5/88.90	250/1,112	50	786210-70066
CSS-160	0.5/12.70	16.0/406.40	4/101.60	250/1,112	50	786210-09209
CSS-270	0.5/12.70	27.0/685.80	8/203.20	250/1,112	25	786210-70067



CSS-H



CSS-B

Deltec base and hanger

Cat. no.	Description	Std. pkg. qty.	UPC no.
CSS-B	Base for Deltec strap	50	786210-71212
CSS-H	Hanger for Deltec strap	50	786210-71263

- Made of zinc-plated steel



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