

---

PRODUCT SHEET

# Ty-Met™ stainless steel retained-tension ball-lock cable ties



## Ty-Met™ stainless steel retained-tension ball-lock cable ties

Wave-form spring crimp eliminates movement – even in high-vibration applications



Ty-Met stainless steel retained-tension ball-lock cable ties from ABB combine the convenience of a ball-lock fastening mechanism with a spring crimp that maintains tension after installation. This feature helps to ensure that the ties won't slide down the cable bundle after they're installed — making them the ideal choice for high-vibration applications.

### Features

- Specially formed spring crimp creates consistent tension for firm positioning
- High wave-form crimp provides positive clamping in high-vibration applications
- Crimp channel offers a path for a trace wire with protection from crushing and shorts
- Ball-lock mechanism is easy to assemble and adjust for tension

### Features (continued)

- Ties available in both type 304 stainless steel and type 316 marine-grade stainless steel for extended life in highly corrosive environments
- Install with ABB DAS-250 application tool

### Applications

- Shipbuilding
- Industrial
- Oil and gas
- Heavy equipment and trucking
- Wind power and solar energy

### Specifications

- Material: type 304 or type 316 stainless steel
- Operating temperature: -112 °F to 572 °F (-80 °C to 300 °C)
- Certifications/ compliances: UL/EN/CSA62275 type 2S rated for AH-1 plenum

### Ty-Met stainless steel retained-tension ball-lock cable ties

| Product number                             | Length |     | Width |     | Max. bundle diameter |     | Tensile strength |      | Std. pkg. qty. | UPC no.      |
|--|--------|-----|-------|-----|----------------------|-----|------------------|------|----------------|--------------|
|  | in.    | mm  | in.   | mm  | in.                  | mm  | lbs.             | N    |                |              |
| <b>Type 304 stainless steel – uncoated</b> |        |     |       |     |                      |     |                  |      |                |              |
| RS-4.6-200A                                | 7.9    | 200 | 0.18  | 4.6 | 2                    | 51  | 200              | 890  | 50             | 786210-06286 |
| RS-4.6-260A                                | 10.2   | 260 | 0.18  | 4.6 | 2.7                  | 70  | 200              | 890  | 50             | 786210-06289 |
| RS-4.6-360A                                | 14.2   | 360 | 0.18  | 4.6 | 4                    | 102 | 200              | 890  | 50             | 786210-06295 |
| RS-4.6-520A                                | 20.5   | 520 | 0.18  | 4.6 | 6                    | 152 | 200              | 890  | 50             | 786210-06297 |
| RS-4.6-680A                                | 26.8   | 680 | 0.18  | 4.6 | 8                    | 203 | 200              | 890  | 50             | 786210-06306 |
| RS-7.9-200A                                | 7.9    | 200 | 0.31  | 7.9 | 2                    | 51  | 450              | 2002 | 50             | 786210-06310 |
| RS-7.9-360A                                | 14.2   | 360 | 0.31  | 7.9 | 4                    | 102 | 450              | 2002 | 50             | 786210-06328 |
| RS-7.9-520A                                | 20.5   | 520 | 0.31  | 7.9 | 6                    | 152 | 450              | 2002 | 50             | 786210-06332 |
| RS-7.9-680A                                | 26.8   | 680 | 0.31  | 7.9 | 8                    | 203 | 450              | 2002 | 50             | 786210-06343 |
| <b>Type 316 marine-grade</b>               |        |     |       |     |                      |     |                  |      |                |              |
| RS-4.6-200B                                | 7.9    | 200 | 0.18  | 4.6 | 2                    | 51  | 200              | 890  | 50             | 786210-06287 |
| RS-4.6-260B                                | 10.2   | 260 | 0.18  | 4.6 | 2.7                  | 70  | 200              | 890  | 50             | 786210-06291 |
| RS-4.6-360B                                | 14.2   | 360 | 0.18  | 4.6 | 4                    | 102 | 200              | 890  | 50             | 786210-06296 |
| RS-4.6-520B                                | 20.5   | 520 | 0.18  | 4.6 | 6                    | 152 | 200              | 890  | 50             | 786210-06300 |
| RS-4.6-680B                                | 26.8   | 680 | 0.18  | 4.6 | 8                    | 203 | 200              | 890  | 50             | 786210-06307 |
| RS-7.9-200B                                | 7.9    | 200 | 0.31  | 7.9 | 2                    | 51  | 450              | 2002 | 50             | 786210-06316 |
| RS-7.9-360B                                | 14.2   | 360 | 0.31  | 7.9 | 4                    | 102 | 450              | 2002 | 50             | 786210-06330 |
| RS-7.9-520B                                | 20.5   | 520 | 0.31  | 7.9 | 6                    | 152 | 450              | 2002 | 50             | 786210-06335 |
| RS-7.9-680B                                | 26.8   | 680 | 0.31  | 7.9 | 8                    | 203 | 450              | 2002 | 50             | 786210-06345 |

Note: Minimum bundle diameter for all cable ties listed above is 1" (25.4mm)