

# CPI Grounding and Bonding Braid, Stainless Steel



High-quality CPI stainless steel grounding and bonding braids can be installed in extremely corrosive environments, like offshore applications or coastal applications. The full range of CPI braids are ideal for applications using stainless steel pipe or tanks, like the food and beverage industry, building industry, transportation, oil and chemical industry.

nVent ERIFLEX offers 316L stainless steel braids and lugs, one of the highest resistant stainless steel options on the market. Our proprietary manufacturing process has been optimized to provide the best braiding, crimping, cutting and punching.

## CERTIFICATIONS



## CHARACTERISTICS

Superior abrasion, corrosion, chemical and UV resistance make CPI braids ideal for outdoor applications

Great for expansion joints where constant movement requires a flexible and durable solution

Ready to use out of the box, eliminates the need for cutting, stripping, crimping and punching

Quick and easy to install

Resistant to vibration and fatigue, reducing maintenance

Will not rust or discolor, so the appearance will never fade or change

Excellent electrical contact

No additional lugs or terminals needed

Non-magnetic material

Recommended by the EMC/EMI directives

Performs to the class C5 (very high) category as per ISO® 12944-2

EAC compliant

RoHS compliant

Compliant to ISO 6469-1 (Electrically propelled road vehicles - Part 1: Rechargeable energy storage system) - Section 6.2.2 Vibrations

SPECIFICAȚII

**Complies With:** IEC® 60439.1; IEC® 61439.1  
**Material:** Stainless Steel 316L (EN 1.4404)  
**Certification Details:** UL® 467

| Table 1/2        |                |                   |            |                |         |       |
|------------------|----------------|-------------------|------------|----------------|---------|-------|
| Număr de catalog | Article Number | Cross Section     | Length (L) | Hole Size (HS) | A       | B     |
| CPI16-150-8      | 554277         | 16mm <sup>2</sup> | 150mm      | 8.5 mm         | 17.5 mm | 20 mm |
| CPI16-200-8      | 554278         | 16mm <sup>2</sup> | 200mm      | 8.5 mm         | 17.5 mm | 20 mm |
| CPI16-250-8      | 554279         | 16mm <sup>2</sup> | 250mm      | 8.5 mm         | 17.5 mm | 20 mm |
| CPI16-300-8      | 554280         | 16mm <sup>2</sup> | 300mm      | 8.5 mm         | 17.5 mm | 20 mm |
| CPI16-400-8      | 554282         | 16mm <sup>2</sup> | 400mm      | 8.5 mm         | 17.5 mm | 20 mm |
| CPI25-150-10     | 554299         | 25mm <sup>2</sup> | 150mm      | 10.5 mm        | 26.5 mm | 30 mm |
| CPI25-200-10     | 554300         | 25mm <sup>2</sup> | 200mm      | 10.5 mm        | 26.5 mm | 30 mm |
| CPI35-150-12     | 554321         | 35mm <sup>2</sup> | 150mm      | 13 mm          | 26.5 mm | 30 mm |
| CPI25-250-10     | 554301         | 25mm <sup>2</sup> | 250mm      | 10.5 mm        | 26.5 mm | 30 mm |
| CPI16-600-8      | 554286         | 16mm <sup>2</sup> | 600mm      | 8.5 mm         | 17.5 mm | 20 mm |
| CPI25-300-10     | 554302         | 25mm <sup>2</sup> | 300mm      | 10.5 mm        | 26.5 mm | 30 mm |
| CPI35-200-12     | 554322         | 35mm <sup>2</sup> | 200mm      | 13 mm          | 26.5 mm | 30 mm |
| CPI35-250-12     | 554323         | 35mm <sup>2</sup> | 250mm      | 13 mm          | 26.5 mm | 30 mm |
| CPI25-400-10     | 554304         | 25mm <sup>2</sup> | 400mm      | 10.5 mm        | 26.5 mm | 30 mm |
| CPI35-300-12     | 554324         | 35mm <sup>2</sup> | 300mm      | 13 mm          | 26.5 mm | 30 mm |

| Număr de catalog | Article Number | Cross Section     | Length (L) | Hole Size (HS) | A       | B     |
|------------------|----------------|-------------------|------------|----------------|---------|-------|
| CPI50-150-12     | 554343         | 50mm <sup>2</sup> | 150mm      | 13 mm          | 30 mm   | 30 mm |
| CPI50-200-12     | 554344         | 50mm <sup>2</sup> | 200mm      | 13 mm          | 30 mm   | 30 mm |
| CPI25-600-10     | 554308         | 25mm <sup>2</sup> | 600mm      | 10.5 mm        | 26.5 mm | 30 mm |
| CPI35-400-12     | 554326         | 35mm <sup>2</sup> | 400mm      | 13 mm          | 26.5 mm | 30 mm |
| CPI70-150-12     | 554365         | 70mm <sup>2</sup> | 150mm      | 13 mm          | 30 mm   | 30 mm |
| CPI50-250-12     | 554345         | 50mm <sup>2</sup> | 250mm      | 13 mm          | 30 mm   | 30 mm |
| CPI35-600-12     | 554330         | 35mm <sup>2</sup> | 600mm      | 13 mm          | 26.5 mm | 30 mm |
| CPI50-300-12     | 554346         | 50mm <sup>2</sup> | 300mm      | 13 mm          | 30 mm   | 30 mm |
| CPI70-200-12     | 554366         | 70mm <sup>2</sup> | 200mm      | 13 mm          | 30 mm   | 30 mm |
| CPI70-250-12     | 554367         | 70mm <sup>2</sup> | 250mm      | 13 mm          | 30 mm   | 30 mm |
| CPI50-400-12     | 554348         | 50mm <sup>2</sup> | 400mm      | 13 mm          | 30 mm   | 30 mm |
| CPI50-600-12     | 554352         | 50mm <sup>2</sup> | 600mm      | 13 mm          | 30 mm   | 30 mm |
| CPI70-300-12     | 554368         | 70mm <sup>2</sup> | 300mm      | 13 mm          | 30 mm   | 30 mm |
| CPI70-1100-12    | 554384         | 70mm <sup>2</sup> | 1100mm     | 13 mm          | 30 mm   | 30 mm |
| CPI70-400-12     | 554370         | 70mm <sup>2</sup> | 400mm      | 13 mm          | 30 mm   | 30 mm |
| CPI70-600-12     | 554374         | 70mm <sup>2</sup> | 600mm      | 13 mm          | 30 mm   | 30 mm |
| CPI70-800-12     | 554378         | 70mm <sup>2</sup> | 800mm      | 13 mm          | 30 mm   | 30 mm |

Table 2/2

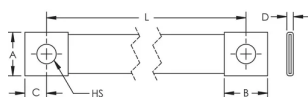
| Număr de catalog | Article Number | C | D | Unit Weight | Certifications |
|------------------|----------------|---|---|-------------|----------------|
|------------------|----------------|---|---|-------------|----------------|

|              |        |       |        |         |                                                              |
|--------------|--------|-------|--------|---------|--------------------------------------------------------------|
| CPI16-150-8  | 554277 | 10 mm | 3 mm   | 0.03 kg | RoHS, cUL, UL,<br>Bureau Veritas, CE,<br>ERIFLEX CPI, ABS    |
| CPI16-200-8  | 554278 | 10 mm | 3 mm   | 0.04 kg | ABS, cUL, RoHS,<br>CE, ERIFLEX CPI,<br>UL, Bureau Veritas    |
| CPI16-250-8  | 554279 | 10 mm | 3 mm   | 0.04 kg | UL, Bureau Veritas,<br>cUL, ABS, CE,<br>ERIFLEX CPI,<br>RoHS |
| CPI16-300-8  | 554280 | 10 mm | 3 mm   | 0.05 kg | RoHS, cUL, UL,<br>Bureau Veritas, CE,<br>ERIFLEX CPI, ABS    |
| CPI16-400-8  | 554282 | 10 mm | 3 mm   | 0.06 kg | ABS, cUL, RoHS,<br>CE, ERIFLEX CPI,<br>UL, Bureau Veritas    |
| CPI25-150-10 | 554299 | 15 mm | 3.5 mm | 0.06 kg | RoHS, cUL, UL,<br>Bureau Veritas, CE,<br>ERIFLEX CPI, ABS    |
| CPI25-200-10 | 554300 | 15 mm | 3.5 mm | 0.07 kg | ABS, cUL, RoHS,<br>CE, ERIFLEX CPI,<br>UL, Bureau Veritas    |
| CPI35-150-12 | 554321 | 15 mm | 4 mm   | 0.07 kg | RoHS, cUL, UL,<br>Bureau Veritas, CE,<br>ERIFLEX CPI, ABS    |
| CPI25-250-10 | 554301 | 15 mm | 3.5 mm | 0.08 kg | UL, Bureau Veritas,<br>cUL, ABS, CE,<br>ERIFLEX CPI,<br>RoHS |
| CPI16-600-8  | 554286 | 10 mm | 3 mm   | 0.09 kg | UL, Bureau Veritas,<br>cUL, ABS, CE,<br>ERIFLEX CPI,<br>RoHS |
| CPI25-300-10 | 554302 | 15 mm | 3.5 mm | 0.09 kg | RoHS, cUL, UL,<br>Bureau Veritas, CE,<br>ERIFLEX CPI, ABS    |
| CPI35-200-12 | 554322 | 15 mm | 4 mm   | 0.09 kg | ABS, cUL, RoHS,<br>UL, Bureau Veritas                        |
| CPI35-250-12 | 554323 | 15 mm | 4 mm   | 0.1 kg  | UL, Bureau Veritas,<br>cUL, ABS, RoHS                        |
| CPI25-400-10 | 554304 | 15 mm | 3.5 mm | 0.11 kg | ABS, cUL, RoHS,<br>CE, ERIFLEX CPI,<br>UL, Bureau Veritas    |
| CPI35-300-12 | 554324 | 15 mm | 4 mm   | 0.11 kg | RoHS, cUL, UL,<br>Bureau Veritas,<br>ABS                     |

|               |        |       |        |         |                                                     |
|---------------|--------|-------|--------|---------|-----------------------------------------------------|
| CPI50-150-12  | 554343 | 15 mm | 5 mm   | 0.11 kg | RoHS, cUL, UL, Bureau Veritas, ABS, CE, ERIFLEX CPI |
| CPI50-200-12  | 554344 | 15 mm | 5 mm   | 0.13 kg | CE, ERIFLEX CPI, cUL, RoHS, ABS, UL, Bureau Veritas |
| CPI25-600-10  | 554308 | 15 mm | 3.5 mm | 0.15 kg | UL, Bureau Veritas, cUL, ABS, CE, ERIFLEX CPI, RoHS |
| CPI35-400-12  | 554326 | 15 mm | 4 mm   | 0.14 kg | ABS, cUL, RoHS, UL, Bureau Veritas                  |
| CPI70-150-12  | 554365 | 15 mm | 5.8 mm | 0.14 kg | CE, ERIFLEX CPI, cUL, RoHS, ABS, UL, Bureau Veritas |
| CPI50-250-12  | 554345 | 15 mm | 5 mm   | 0.15 kg | UL, Bureau Veritas, cUL, CE, ERIFLEX CPI, ABS, RoHS |
| CPI35-600-12  | 554330 | 15 mm | 4 mm   | 0.2 kg  | UL, Bureau Veritas, cUL, ABS, RoHS                  |
| CPI50-300-12  | 554346 | 15 mm | 5 mm   | 0.17 kg | RoHS, cUL, UL, Bureau Veritas, ABS, CE, ERIFLEX CPI |
| CPI70-200-12  | 554366 | 15 mm | 5.8 mm | 0.17 kg | UL, Bureau Veritas, cUL, CE, ERIFLEX CPI, ABS, RoHS |
| CPI70-250-12  | 554367 | 15 mm | 5.8 mm | 0.19 kg | RoHS, cUL, UL, Bureau Veritas, ABS, CE, ERIFLEX CPI |
| CPI50-400-12  | 554348 | 15 mm | 5 mm   | 0.21 kg | CE, ERIFLEX CPI, cUL, RoHS, ABS, UL, Bureau Veritas |
| CPI50-600-12  | 554352 | 15 mm | 5 mm   | 0.29 kg | UL, Bureau Veritas, cUL, CE, ERIFLEX CPI, ABS, RoHS |
| CPI70-300-12  | 554368 | 15 mm | 5.8 mm | 0.22 kg | CE, ERIFLEX CPI, cUL, RoHS, ABS, UL, Bureau Veritas |
| CPI70-1100-12 | 554384 | 15 mm | 5.8 mm | 0.66 kg | RoHS, cUL, UL, Bureau Veritas, ABS, CE, ERIFLEX CPI |

|              |        |       |        |         |                                                     |
|--------------|--------|-------|--------|---------|-----------------------------------------------------|
| CPI70-400-12 | 554370 | 15 mm | 5.8 mm | 0.28 kg | UL, Bureau Veritas, cUL, CE, ERIFLEX CPI, ABS, RoHS |
| CPI70-600-12 | 554374 | 15 mm | 5.8 mm | 0.39 kg | RoHS, cUL, UL, Bureau Veritas, ABS, CE, ERIFLEX CPI |
| CPI70-800-12 | 554378 | 15 mm | 5.8 mm | 0.5 kg  | CE, ERIFLEX CPI, cUL, RoHS, ABS, UL, Bureau Veritas |

## DIAGRAMS



## AVERTIZARE

Produsele nVent trebuie instalate și utilizate numai așa cum este indicat în fișele de instrucțiuni și materialele de formare ale nVent. Fișele de instrucțiuni sunt disponibile pe [www.nvent.com](http://www.nvent.com) și de la reprezentantul dvs. de servicii clienți nVent. O instalare incorectă, o utilizare abuzivă, o aplicare greșită sau orice altă lipsă de respectare completă a instrucțiunilor și avertismentelor nVent poate duce la defectarea produsului, la deteriorarea proprietății, la răniri corporale grave și moarte și/sau poate anula garanția dvs.

### North America

+1.800.753.9221

Option 1 – Customer Care

Option 2 – Technical

Support

### Europe

Netherlands:

+31 800-0200135

France:

+33 800 901 793

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Other Countries:

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### APAC

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Sydney:

+61 2 9751 8500



Portofoliul nostru puternic de mărci:

CADDY

ERICO

HOFFMAN

ILSCO

SCHROFF

TRACHTE