

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



FEATURES

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

SPECIFICATIONS

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

Table 1/2						
Catalog Number	Article Number	Cross Section	Length (L)	Hole Size (HS)	A	B
CPI16-150-8	554277	31.57kcmil	5.91"	0.33"	0.69"	0.79"
CPI16-200-8	554278	31.57kcmil	7.87"	0.33"	0.69"	0.79"
CPI16-250-8	554279	31.57kcmil	9.84"	0.33"	0.69"	0.79"
CPI16-300-8	554280	31.57kcmil	11.81"	0.33"	0.69"	0.79"
CPI16-400-8	554282	31.57kcmil	15 3/4"	0.33"	0.69"	0.79"
CPI25-150-10	554299	49.34kcmil	5.91"	0.41"	1.04"	1.18"
CPI25-200-10	554300	49.34kcmil	7.87"	0.41"	1.04"	1.18"
CPI35-150-12	554321	69.07kcmil	5.91"	0.51"	1.04"	1.18"
CPI25-250-10	554301	49.34kcmil	9.84"	0.41"	1.04"	1.18"
CPI16-600-8	554286	31.57kcmil	23.62"	0.33"	0.69"	0.79"
CPI25-300-10	554302	49.34kcmil	11.81"	0.41"	1.04"	1.18"
CPI35-200-12	554322	69.07kcmil	7.87"	0.51"	1.04"	1.18"
CPI35-250-12	554323	69.07kcmil	9.84"	0.51"	1.04"	1.18"
CPI25-400-10	554304	49.34kcmil	15 3/4"	0.41"	1.04"	1.18"
CPI35-300-12	554324	69.07kcmil	11.81"	0.51"	1.04"	1.18"

CatalogNumber	Article Number	Cross Section	Length (L)	Hole Size (HS)	A	B
CPI50-150-12	554343	98.68kcmil	5.91"	0.51"	1.18"	1.18"
CPI50-200-12	554344	98.68kcmil	7.87"	0.51"	1.18"	1.18"
CPI25-600-10	554308	49.34kcmil	23.62"	0.41"	1.04"	1.18"
CPI35-400-12	554326	69.07kcmil	15 3/4"	0.51"	1.04"	1.18"
CPI70-150-12	554365	138.15kcmil	5.91"	0.51"	1.18"	1.18"
CPI50-250-12	554345	98.68kcmil	9.84"	0.51"	1.18"	1.18"
CPI35-600-12	554330	69.07kcmil	23.62"	0.51"	1.04"	1.18"
CPI50-300-12	554346	98.68kcmil	11.81"	0.51"	1.18"	1.18"
CPI70-200-12	554366	138.15kcmil	7.87"	0.51"	1.18"	1.18"
CPI70-250-12	554367	138.15kcmil	9.84"	0.51"	1.18"	1.18"
CPI50-400-12	554348	98.68kcmil	15 3/4"	0.51"	1.18"	1.18"
CPI50-600-12	554352	98.68kcmil	23.62"	0.51"	1.18"	1.18"
CPI70-300-12	554368	138.15kcmil	11.81"	0.51"	1.18"	1.18"
CPI70-1100-12	554384	138.15kcmil	43.31"	0.51"	1.18"	1.18"
CPI70-400-12	554370	138.15kcmil	15 3/4"	0.51"	1.18"	1.18"
CPI70-600-12	554374	138.15kcmil	23.62"	0.51"	1.18"	1.18"
CPI70-800-12	554378	138.15kcmil	31 1/2"	0.51"	1.18"	1.18"

Table 2/2

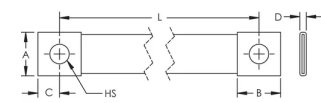
Catalog Number	Article Number	C	D	Unit Weight	Certifications
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CPI16-150-8	554277	0.39"	0.12"	0.07 lb	RoHS, cUL, UL, Bureau Veritas, CE, ERIFLEX CPI, ABS
CPI16-200-8	554278	0.39"	0.12"	0.08 lb	ABS, cUL, RoHS, CE, ERIFLEX CPI, UL, Bureau Veritas
CPI16-250-8	554279	0.39"	0.12"	0.09 lb	UL, Bureau Veritas, cUL, ABS, CE, ERIFLEX CPI, RoHS
CPI16-300-8	554280	0.39"	0.12"	0.11 lb	RoHS, cUL, UL, Bureau Veritas, CE, ERIFLEX CPI, ABS
CPI16-400-8	554282	0.39"	0.12"	0.14 lb	ABS, cUL, RoHS, CE, ERIFLEX CPI, UL, Bureau Veritas
CPI25-150-10	554299	0.59"	0.14"	0.13 lb	RoHS, cUL, UL, Bureau Veritas, CE, ERIFLEX CPI, ABS
CPI25-200-10	554300	0.59"	0.14"	0.15 lb	ABS, cUL, RoHS, CE, ERIFLEX CPI, UL, Bureau Veritas
CPI35-150-12	554321	0.59"	0.16"	0.16 lb	RoHS, cUL, UL, Bureau Veritas, CE, ERIFLEX CPI, ABS
CPI25-250-10	554301	0.59"	0.14"	0.17 lb	UL, Bureau Veritas, cUL, ABS, CE, ERIFLEX CPI, RoHS
CPI16-600-8	554286	0.39"	0.12"	0.19 lb	UL, Bureau Veritas, cUL, ABS, CE, ERIFLEX CPI, RoHS
CPI25-300-10	554302	0.59"	0.14"	0.19 lb	RoHS, cUL, UL, Bureau Veritas, CE, ERIFLEX CPI, ABS
CPI35-200-12	554322	0.59"	0.16"	0.19 lb	ABS, cUL, RoHS, UL, Bureau Veritas
CPI35-250-12	554323	0.59"	0.16"	0.22 lb	UL, Bureau Veritas, cUL, ABS, RoHS
CPI25-400-10	554304	0.59"	0.14"	0.24 lb	ABS, cUL, RoHS, CE, ERIFLEX CPI, UL, Bureau Veritas
CPI35-300-12	554324	0.59"	0.16"	0.25 lb	RoHS, cUL, UL, Bureau Veritas, ABS

CPI50-150-12	554343	0.59"	0.2"	0.24 lb	RoHS, cUL, UL, Bureau Veritas, ABS, CE, ERIFLEX CPI
CPI50-200-12	554344	0.59"	0.2"	0.29 lb	CE, ERIFLEX CPI, cUL, RoHS, ABS, UL, Bureau Veritas
CPI25-600-10	554308	0.59"	0.14"	0.32 lb	UL, Bureau Veritas, cUL, ABS, CE, ERIFLEX CPI, RoHS
CPI35-400-12	554326	0.59"	0.16"	0.31 lb	ABS, cUL, RoHS, UL, Bureau Veritas
CPI70-150-12	554365	0.59"	0.23"	0.31 lb	CE, ERIFLEX CPI, cUL, RoHS, ABS, UL, Bureau Veritas
CPI50-250-12	554345	0.59"	0.2"	0.33 lb	UL, Bureau Veritas, cUL, CE, ERIFLEX CPI, ABS, RoHS
CPI35-600-12	554330	0.59"	0.16"	0.43 lb	UL, Bureau Veritas, cUL, ABS, RoHS
CPI50-300-12	554346	0.59"	0.2"	0.37 lb	RoHS, cUL, UL, Bureau Veritas, ABS, CE, ERIFLEX CPI
CPI70-200-12	554366	0.59"	0.23"	0.37 lb	UL, Bureau Veritas, cUL, CE, ERIFLEX CPI, ABS, RoHS
CPI70-250-12	554367	0.59"	0.23"	0.43 lb	RoHS, cUL, UL, Bureau Veritas, ABS, CE, ERIFLEX CPI
CPI50-400-12	554348	0.59"	0.2"	0.46 lb	CE, ERIFLEX CPI, cUL, RoHS, ABS, UL, Bureau Veritas
CPI50-600-12	554352	0.59"	0.2"	0.63 lb	UL, Bureau Veritas, cUL, CE, ERIFLEX CPI, ABS, RoHS
CPI70-300-12	554368	0.59"	0.23"	0.49 lb	CE, ERIFLEX CPI, cUL, RoHS, ABS, UL, Bureau Veritas
CPI70-1100-12	554384	0.59"	0.23"	1.46 lb	RoHS, cUL, UL, Bureau Veritas, ABS, CE, ERIFLEX CPI

CPI70-400-12	554370	0.59"	0.23"	0.61 lb	UL, Bureau Veritas, cUL, CE, ERIFLEX CPI, ABS, RoHS
CPI70-600-12	554374	0.59"	0.23"	0.86 lb	RoHS, cUL, UL, Bureau Veritas, ABS, CE, ERIFLEX CPI
CPI70-800-12	554378	0.59"	0.23"	1.1 lb	CE, ERIFLEX CPI, cUL, RoHS, ABS, UL, Bureau Veritas

DIAGRAMS



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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