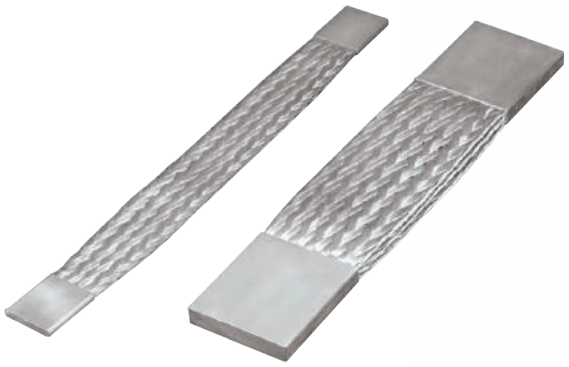
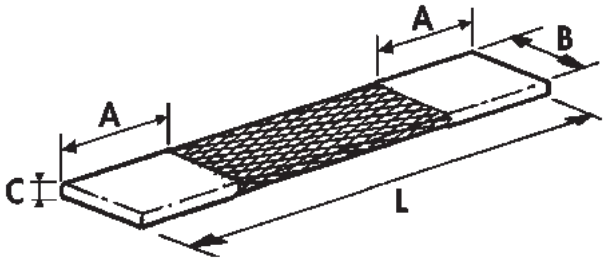
Power Shunt (PBC)



- High flexibility
- Reduce vibrations
- Ideal for transformer-busduct link
- Intensity: Up to 4600 A

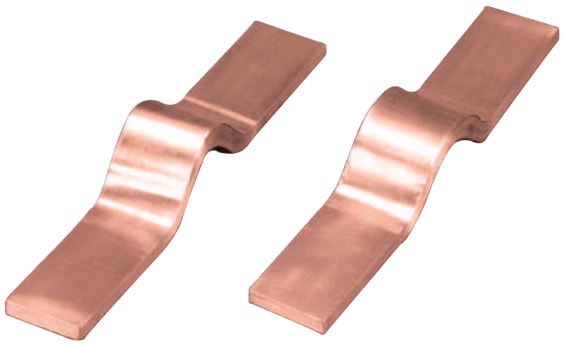
PBC
BRAIDED POWER SHUNTS

- Undrilled palms to customer's specific designs, fitted by power press
- Extra-flexible power connections (expansion rings, busbar...)
- Tinned electrolytic copper strand Ø 0,15 mm
- When used in parallel, the 2 shunts must be spaced with a minimum distance equal to the thickness of the shunt to allow air cooling



Part No.	Description	Section mm²	Intensity (ΔT 30K)		Intensity (ΔT 50K)		A mm	B mm	C mm	L mm		Kg
564000	PBC 100 x 250	100	349	600	462	795	35	40	7,0	250	2	0,38
564050	PBC 100 x 500	100	349	600	462	795	35	40	7,0	500	2	0,63
564010	PBC 120 x 250	120	385	670	511	877	35	40	7,5	250	2	0,42
564100	PBC 150 x 250	150	440	757	583	1003	55	50	8,0	250	2	0,63
564150	PBC 150 x 500	150	440	757	583	1003	55	50	8,0	500	2	0,90
564200	PBC 200 x 250	200	550	946	729	1253	55	50	9,0	250	2	0,76
564250	PBC 200 x 500	200	550	946	729	1253	55	50	9,0	500	2	1,20
564300	PBC 250 x 300	250	651	1120	863	1484	85	50	10,5	300	2	1,03
564400	PBC 300 x 400	300	716	1180	948	1565	85	60	11,0	400	1	1,53
564500	PBC 400 x 400	400	853	1360	1131	1808	85	80	11,0	400	1	2,20
564600	PBC 500 x 400	500	917	1561	1216	1944	105	100	11,0	400	1	2,64
564700	PBC 600 x 450	600	1101	1762	1459	2334	105	100	13,0	450	1	3,40
564800	PBC 800 x 450	800	1376	2202	1823	2917	105	100	14,0	450	1	4,26
564900	PBC 1000 x 450	1000	1651	2642	2188	3500	105	100	16,0	450	1	5,47
564030	PBC 1200 x 500	1200	1982	3170	2626	4208	125	120	17,5	500	1	7,16

PPS
Presswelded Power Shunts

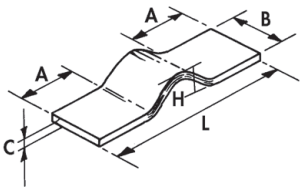


FEATURES

Press welding is welding of laminations to each other through direct current applied to pieces under pressure.

This technique results in:

- The formation of a solid palm with properties of plain bar
- Smaller cross section for same capacity
- Runs cooler than equal section
- Plain copper, thickness of laminations 0,2 mm
- When used in parallel, the 2 shunts must be spaced with a minimum distance equal to the thickness of the shunt



Part No.	Description	Section mm²	Intensity (ΔT 30K)		Intensity (ΔT 50K)		A mm	B mm	C mm	L mm	H mm		Kg
566000	PPS 40/5/50-180	200	572	984	758	1304	50	40	5	180	45	2	0,390
566020	PPS 40/10/50-220	400	849	1460	1125	1935	50	40	10	220	58	2	0,930
566030	PPS 50/10/80-280	500	1022	1758	1354	2329	80	50	10	280	58	1	1,440
566040	PPS 80/10/100-320	800	1511	2493	2002	3303	100	80	10	320	52	1	2,625
566050	PPS 100/10/100-300	1000	1825	2920	2418	3869	100	100	10	300	54	1	3,065
566060	PPS 100/10/110-360	1000	1825	2920	2418	3869	110	100	10	360	53	1	3,610
566070	PPS 100/15/110-360	1500	2178	3485	2886	4617	110	100	15	360	57	1	5,385

CUSTOM SOLUTIONS

nVent ERIFLEX can provide made-to-order, custom configurations to your drawing specifications.

nVent ERIFLEX copper braids can be made to custom lengths, widths, thicknesses and hole patterns; with PVC installation; in flat or tubular shapes; using copper wire; in continuous coils; or with soldered studs or crimped lugs. Let nVent ERIFLEX solve your design and production scheduling challenges.

Flat Copper & Stainless Steel Braids (FTCB, FRCB, FSSB & FTCBI)

FTCB 15
FLAT TINNED COPPER BRAIDS

- Standard wire diameter: 0,15 mm
- 25 m coils

Part No.	Description	Section mm²	mm	Number of Wire	Nominal Current A		Kg
557200	FTCB 15-3	3	5x1	168	30	25 m	0,03
557210	FTCB 15-5	5	8x1	288	45	25 m	0,05
557220	FTCB 15-8	8	8x1,5	456	65	25 m	0,08
557230	FTCB 15-10	10	10x1,5	576	75	25 m	0,10
557240	FTCB 15-16	16	15x1,5	896	120	25 m	0,16
557250	FTCB 15-20	20	20x1,5	1120	140	25 m	0,20
557260	FTCB 15-25	25	23x1,5	1404	150	25 m	0,25
557270	FTCB 15-30	30	23x2,0	1692	180	25 m	0,30
557280	FTCB 15-35	35	23x2,5	1980	200	25 m	0,35
557290	FTCB 15-40	40	25x2,5	2272	220	25 m	0,40
557300	FTCB 15-50	50	28x3	2848	250	25 m	0,50
557310	FTCB 15-60	60	30x3	3392	280	25 m	0,60
557320	FTCB 15-70	70	30x3,5	3968	290	25 m	0,70
557330	FTCB 15-75	75	30x4	4256	300	25 m	0,75
557350	FTCB 15-100	100	40x4	5664	360	25 m	1,00

FRCB 15
FLAT PLAIN COPPER BRAIDS

- Standard wire diameter: 0,15 mm
- 25 m coils

Part No.	Description	Section mm²	mm	Number of Wire	Nominal Current A		Kg
557000	FRCB 15-3	3	5x1	168	30	25 m	0,03
557010	FRCB 15-5	5	8x1	288	45	25 m	0,05
557020	FRCB 15-8	8	8x1,5	456	65	25 m	0,08
557030	FRCB 15-10	10	10x1,5	576	75	25 m	0,10
557040	FRCB 15-16	16	15x1,5	896	120	25 m	0,16
557050	FRCB 15-20	20	20x1,5	1120	140	25 m	0,20
557060	FRCB 15-25	25	23x1,5	1404	150	25 m	0,25
557070	FRCB 15-30	30	23x2,0	1692	180	25 m	0,30
557080	FRCB 15-35	35	23x2,5	1980	200	25 m	0,35
557090	FRCB 15-40	40	25x2,5	2272	220	25 m	0,40
557100	FRCB 15-50	50	28x3	2848	250	25 m	0,50
557120	FRCB 15-70	70	30x3,5	3968	290	25 m	0,70
557130	FRCB 15-75	75	30x4	4256	300	25 m	0,75
557150	FRCB 15-100	100	40x4	5664	360	25 m	1,00

FTCBI
INSULATED FLAT TINNED COPPER BRAIDS

- Insulation in clear PVC, thickness 1 mm, self-extinguishing UL 94 VO
- Standard wire diameter: 0,15 mm
- 25 m coils
- Insulation voltage: 450 V
- Working temperature: up to 70°C

Part No.	Description	Section mm²	mm	Number of Wire	Nominal Current A		Kg
510300	FTCBI 16	16	17x3,5	896	120	25 m	0,18
510310	FTCBI 25	25	25x3,5	1404	150	25 m	0,29
510340	FTCBI 50	50	30x5	2848	250	25 m	0,60
Standard wire diameter 0,15 mm - Extra long reels							
503600	FTCBI 15-16	16	17x3,5	896	120	100 m	0,18
503610	FTCBI 15-25	25	25x3,5	1404	150	100 m	0,29

FTCB 20
FLAT TINNED COPPER BRAIDS

- Standard wire diameter: 0,20 mm
- Extra long reels

Part No.	Description	Section mm²	mm	Number of Wire	Nominal Current A		Kg
503510	FTCB 20-5	5	8x1	168	45	500 m	0,05
503520	FTCB 20-10	10	10x1,5	312	75	150 m	0,10
503530	FTCB 20-16	16	15x2	512	120	150 m	0,16
503540	FTCB 20-25	25	25x1,5	792	150	100 m	0,25

FSSB 25
STAINLESS STEEL FLAT BRAIDS

- Standard wire diameter: 0,25 mm
- Stainless steel 316L

Part No.	Description	Section mm²	mm		Kg
557160	FSSB 25-16²	16	15x1,5	25 m	0,14
557170	FSSB 25-25²	25	23x1,5	25 m	0,22
557390	FSSB 25-50²	50	30x3	25 m	0,44