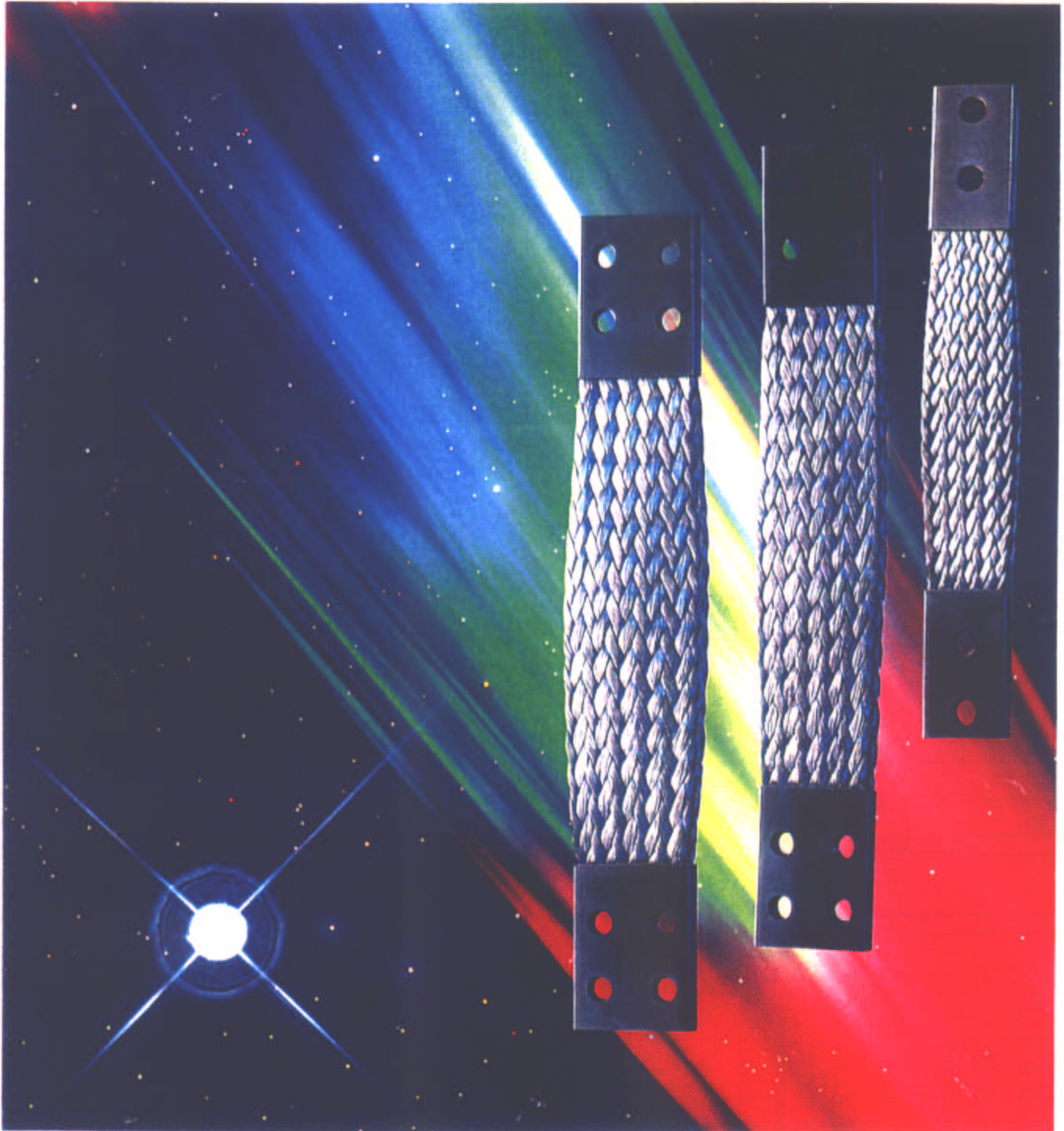


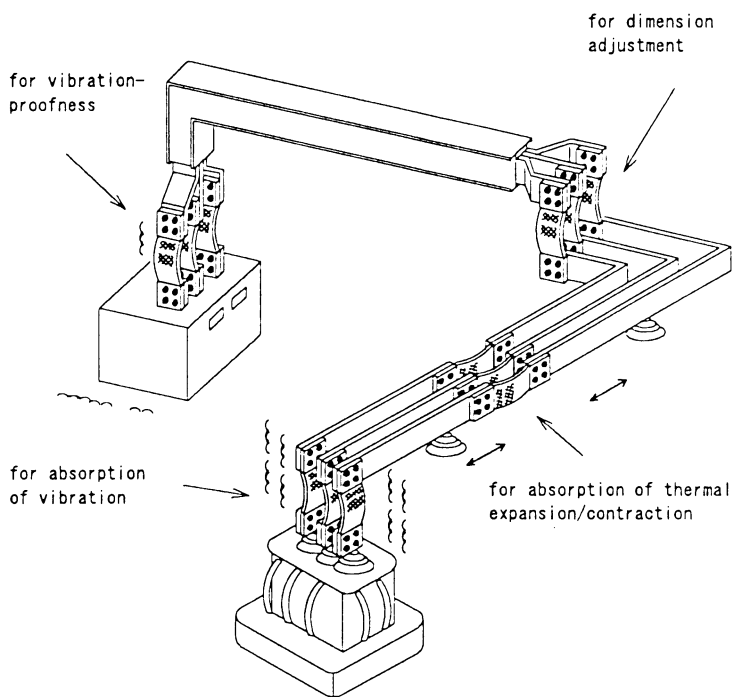
ASAHI's Flexible Conductor

A Product of Bus Ducts Manufacturing Technologies



SUMIDEN ASAHI (THAILAND) CO., LTD.

Application of Flexible Conductors



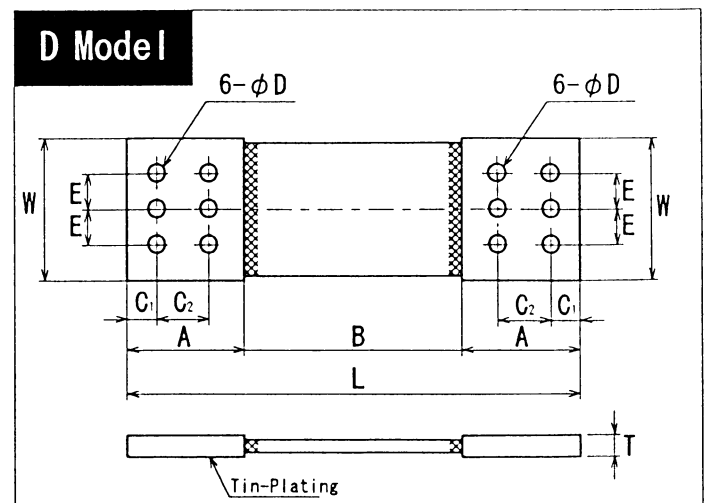
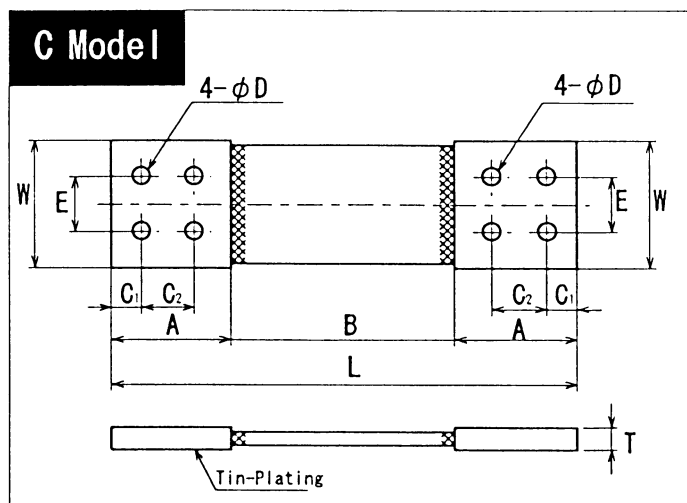
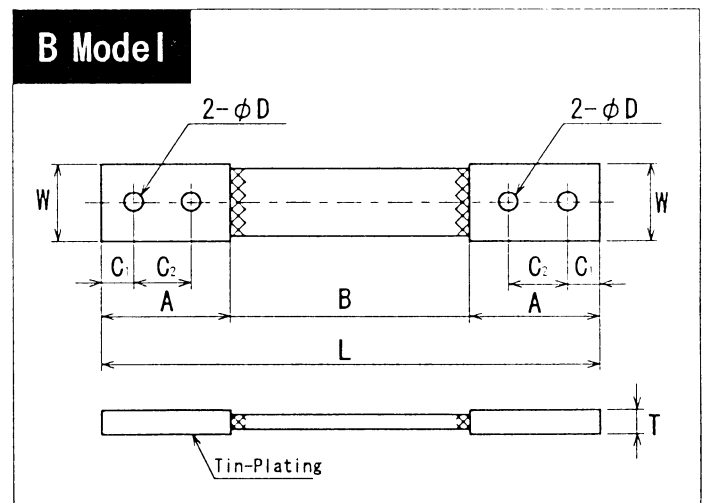
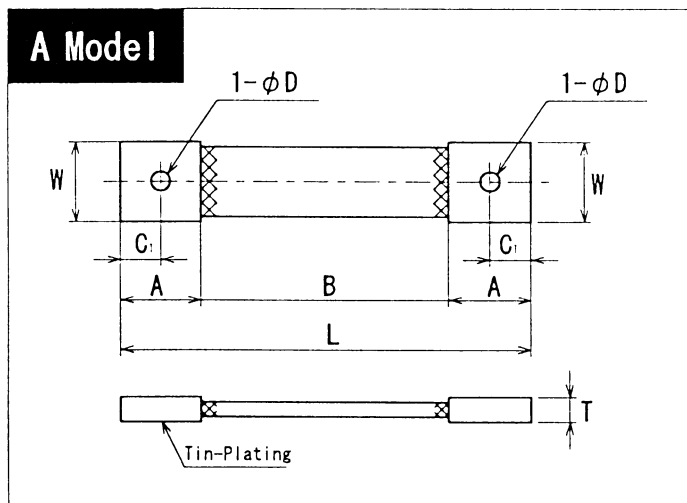
Using high quality of flat braided conductors, ASAHI's Flexible Conductors are very flexible.

From their capability of buffering vibration forces, they are effective to prevent loosening of affixing bolts-and-nuts and screws due to power supplying transformers' vibration as well as to absorb or moderate shocks due to mechanical causes including earthquakes.

Hence, ASAHI's Flexible Conductors prevent or reduce damages of bus bars and other electric units as a consequence of electrical or mechanical vibrations or shocks.

Moreover, they facilitate dimension adjustment, direction change and twisting in assembling bus bar connections between units in electrical construction works.

Standard Dimensions of ASAHI's Flexible Conductors



Type No.	Nominal cross-sectional area (mm ²)	Permissible current (A)	Model	Terminal width	Lengthwise dimensions			Hole diameter and pitches				Bolt diameter	Thickness T
				W	L	A	B	C ₁	C ₂	E	φD		
FS-501	38	200	A	25	200	45	110	20	-	-	12	M10	6.0
FS-502	76	300											8.0
FS-503	114	380											10.0
FS-504	152	450											12.0
FS-801	50	290	B	40	300	85	130	20	40	-	12	M10	5.6
FS-802	100	410											7.2
FS-803	150	520											8.9
FS-804	200	580											10.5
FS-805	250	690											12.1
FS-806	300	770											13.8
FS-1001	100	450	B	50	330	95	140	25	40	-	14	M12	6.5
FS-1002	200	650											9.1
FS-1003	300	820											11.6
FS-1004	400	970											14.2
FS-1005	500	1,100											16.7
FS-1006	600	1,220											19.3
FS-1501	150	680	C	75	350	95	160	25	40	40	14	M12	8.5
FS-1502	200	760											9.4
FS-1503	250	860											10.2
FS-1504	300	940											11.1
FS-1505	400	1,100											12.8
FS-1506	500	1,240											14.5
FS-1507	600	1,380											16.2
FS-1508	800	1,630											19.6
FS-1509	1,000	1,860											23.0
FS-1510	1,200	2,070											26.4
FS-2001	200	860	C	100	400	105	190	25	50	50	14	M12	8.5
FS-2002	250	970											9.1
FS-2003	300	1,060											9.7
FS-2004	400	1,240											11.0
FS-2005	500	1,380											12.2
FS-2006	600	1,530											13.5
FS-2007	800	1,800											16.0
FS-2008	1,000	2,000											18.5
FS-2009	1,250	2,200											21.6
FS-2010	1,500	2,500											24.7
FS-3001	400	1,460	D	150	500	150	200	25	100	50	18	M16	9.5
FS-3002	500	1,640											10.3
FS-3003	600	1,800											11.2
FS-3004	800	2,100											12.9
FS-3005	1,000	2,350											14.6
FS-3006	1,200	2,600											16.4
FS-3007	1,600	3,000											19.8
FS-3008	2,000	3,400											23.4
FS-4001	500	1,850	D	200	550	165	220	30	100	60	18	M16	9.2
FS-4002	800	2,360											11.1
FS-4003	1,000	2,640											12.4
FS-4004	1,200	2,900											13.7
FS-4005	1,500	3,260											15.6
FS-4006	2,000	3,800											18.8
FS-4007	2,500	4,200											22.1

The permissible currents in this table represent the values in open space assuming a temperature rise of 50°C.

For our information on the product price;

◎ When you request our information on the product price, please designate the Type No. shown in the dimension table on the previous page. You can specify arbitrary dimensions except for the terminal width (which should be selected among 25, 40, 50, 75, 100, 150 and 200 mm), together with the specifications listed below:

- ① Current carrying capacity or nominal cross-sectional area
- ② Terminal width
- ③ Dimensions of various portions
- ④ Quantity and delivery date

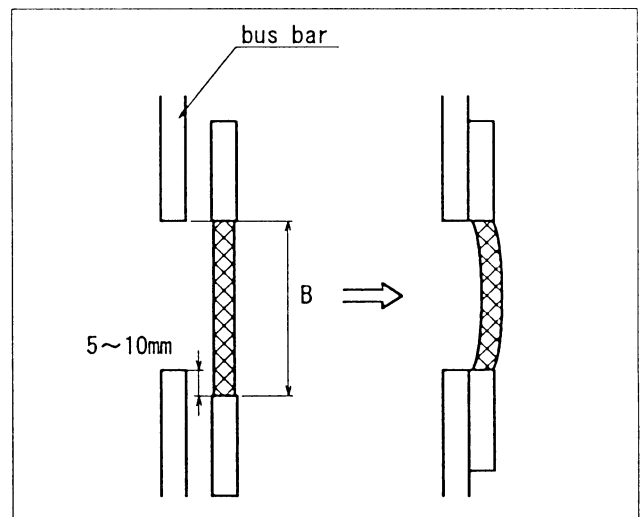
◎ The terminal portion is tin-plated if not otherwise specified. (If you want silver-plating, please specify it without fail.)

◎ If you want insulator coating, please inform us. (The insulator shall be polyvinyl chloride.)

For selection of flexible conductor type;

In selecting the type or design of flexible conductor, please be noted on the following:

- ① Determine the braided wire length (B) longer by 5 to 10 mm than that required from bus bar layout so as to secure an allowance in installation. (for prevention of insufficient flexibility occurrence in use)
(Refer to the figure on the right.)
- ② Select diameters of the terminal holes among $\phi 10$, $\phi 12$, $\phi 14$, $\phi 15$, $\phi 16$, $\phi 18$ and $\phi 20.5$.



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