

★ SL-2CT TOUGH Applications

It can be used for mobile electrical equipment of 600V or less, power supply for lighting, and indoor wiring of 300V or less (with a cross-sectional area of 2 mm<sup>2</sup> or more).

- Temporary construction (construction/civil engineering)
  - Shipbuilding, marine construction, civil engineering ● Others
- Tower crane                  Welder (primary side)                  Industrial machines  
 Lighting equipment          Generator                                  Vibro, earth auger

★ SL-2CT TOUGH Electrical Current Ampacity

Size mm <sup>2</sup>	Electrical Current Ampacity (A)							
	Single core		2 cores		3 cores		4 cores	
	2CT	SL-2CT TOUGH	2CT	SL-2CT TOUGH	2CT	SL-2CT TOUGH	2CT	SL-2CT TOUGH
0.75	—	—	12	15	11	13	10	12
1.25	—	—	17	21	15	18	13	16
2.0	—	—	22	27	19	23	17	21
3.5	—	—	32	39	27	33	25	30
5.5	—	—	41	51	35	44	32	40
8.0	—	—	51	63	43	54	39	49
14	88	105	72	89	62	76	56	69
22	120	145	97	120	83	100	75	93
38	165	205	130	165	110	140	100	125
60	225	275	175	220	150	185	135	170
80	270	335	216	265	186	225	170	205
100	315	390	250	305	215	260	195	240
150	394	485	316	385	271	330	—	—
200	473	585	—	—	—	—	—	—

(Note) (1). Neutral wire, ground wire, and control circuit wire are not included in the number of cores.  
 1 Article laid in the air, calculated according to Japan Cable Manufacturers Association Standard (JCS) 0168-1.  
 (2). The above allowable current is the value when the ambient temperature is 30° C.  
 (3). Since the maximum allowable temperature of the insulator is from 60°C to 80°C, the surface temperature may become hotter than before.

Location

If you have any questions or requests, please contact us.



**MITSUBOSHI CO., LTD Electric wire**

- Osaka Branch**      TEL 06-6261-8884      FAX 06-6261-5550
- Tokyo Branch**      TEL 03-6897-8660      FAX 03-6897-8665
- Kyushu Sales Office**      TEL 092-526-2615      FAX 092-526-2781
- Nagoya Sales Office**      TEL 052-760-4636      FAX 052-760-4637
- Shiga Factory**      TEL 0748-86-6104      FAX 0748-86-2103

URL : <http://www.kk-mitsuboshi.co.jp/>

Email: kaigai@kk-mitsuboshi.co.jp



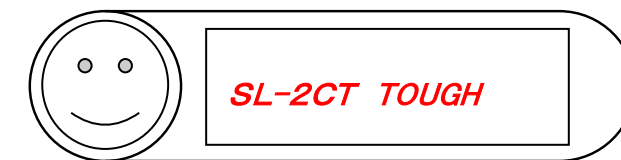
**SL-2CT TOUGH**  
 (STAR SLIM LIGHT Type 2 rubber cable tough)

**600V**

**SL-2CT TOUGH NEW !**  
**It is lighter than SL-2CT!**  
**Excellent weather resistance and wear resistance!**

Lines are added to the surface display so that it can be distinguished from the conventional 2CT by its appearance.

Despite its natural rubber sheath, weather resistance is excellent!  
 Furthermore, the wear resistance of the sheath is 1.5 times compared to SL-2CT!  
 (Based on our comparison test value)



**MITSUBOSHI CO., LTD Electric wire**



SL-2CT TOUGH is rubber cable  
It has a unique compound of Mitsubishi  
Making the cable *Slim* and *Light*  
Also excellent weather resistance

Best electrical properties  
Weather resistant, flexibility, elastic  
tough develop by Mitsubishi technology

RoHS2

☆ SL-2CT TOUGH Characteristics

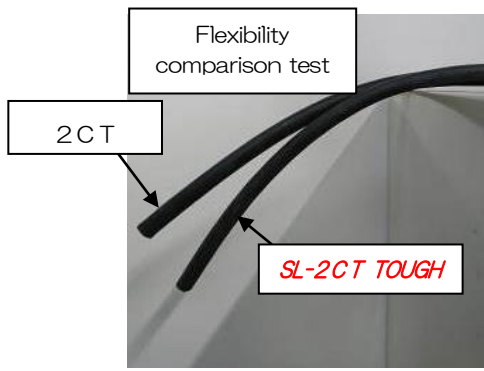
**Slim**  
The outer diameter of **SL-2CT TOUGH** is the same as **SL-2CT**  
However, compared to the conventional 2CT, all sizes are thinner.  
  
Note) The reduction rate of the product outer diameter depends on the size.

2CT → ① SL-2CT / ② SL-2CT TOUGH		
Comparison size	Thinning rate	Thinning rate
4c×2mm <sup>2</sup>	-12.2%	-12.2%
4c×3.5mm <sup>2</sup>	-10.8%	-10.8%
4c×5.5mm <sup>2</sup>	-3.4%	-3.4%
4c×8mm <sup>2</sup>	-3.7%	-3.7%

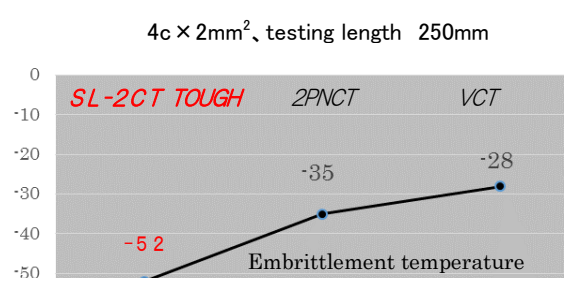
**Light**  
The product weight of **SL-2CT TOUGH** is lighter than **SL-2CT** in all sizes  
  
Note) The weight reduction rate of the product weight depends on the size.

2CT → ① SL-2CT / ② SL-2CT TOUGH		
Comparison size	Weight reduce	Weight reduce
4c×2mm <sup>2</sup>	-20.0%	-23.6%
4c×3.5mm <sup>2</sup>	-15.6%	-19.5%
4c×5.5mm <sup>2</sup>	-5.0%	-9.0%
4c×8mm <sup>2</sup>	-4.7%	-9.4%

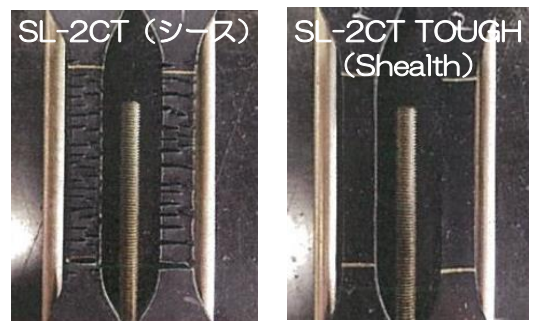
**Flexible**  
The flexibility of **SL-2CT TOUGH** is the same of **SL-2CT**, better than 2CT.  
Not only as an electric wire for movement, but also indoor wiring of 300V or less since it can be used for (cross-sectional area of 2 mm<sup>2</sup> or more),  
It can be a substitute for CV cable, VV cable when it need to be used in narrow spaces with difficult wiring.



**Cold resistance**  
**SL-2CT Tough** has better cold resistance than **2PNCT** and **VCT**



Ozone deterioration test (ozone concentration, 50 pphm, 40° C, static 40% elongation, after 72 hours)

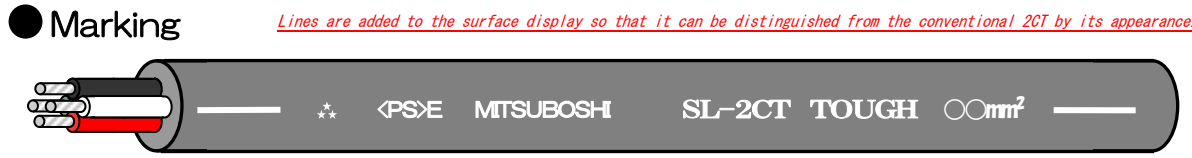
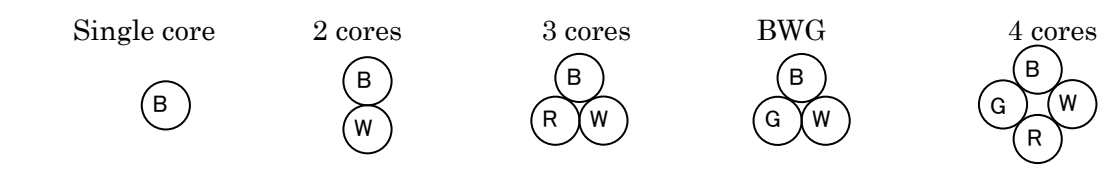
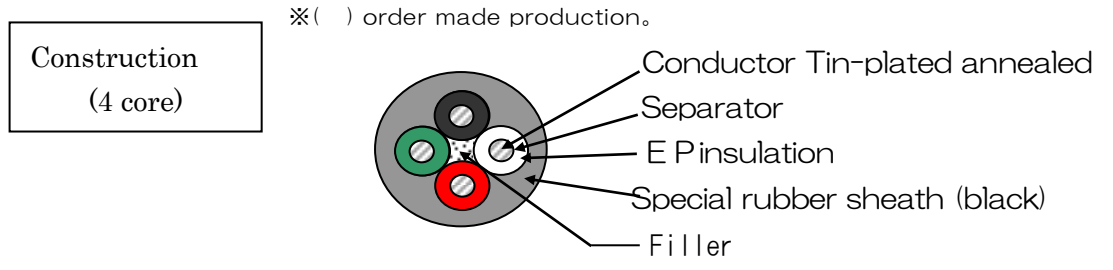


50pphm, 40°C, static 40%Stretch		
	SL-2CT (Sheath)	SL-2CT Tough (Sheath)
24 Hours	B-5 / B-5	No cracks / No cracks
48 Hours	B-5 / B-	No cracks / No cracks
72 Hours	B-5 / B-	No cracks / No cracks

Cracked state	
Number of cracks	Crack size and depth
A: Few cracks	1. Things that cannot be seen with the naked eye but can be confirmed with a 10x magnifying glass 2. Things what can be seen with the naked eye 3. Deep cracks and relatively large cracks (less than 1 mm) 4. Deep and large cracks (1 mm or more and less than 3 mm) 5. Items that are likely to crack or cut 3 mm or more
B: Many cracks	
C: No cracks	

☆ SL-2CT TOUGH Construction

Size mm <sup>2</sup>	Conductor		Single core		2 cores		3 cores		4 cores		
	Out diam. mm	Insulation thickness mm	Out diam. mm	Finish Out diam. mm	Weight kg/km	Finish Out diam. mm	Weight kg/km	Finish Out diam. mm	Weight kg/km	Finish Out diam. mm	Weight kg/km
0.75	1.1	0.8	2.8	—	—	9.0	95	9.4	105	10.4	130
1.25	1.5	0.8	3.2	—	—	9.8	115	10.5	140	11.3	165
2.0	1.8	0.8	3.5	—	—	10.6	140	11.1	170	12.2	210
3.5	2.5	0.8	4.2	—	—	12.2	205	12.9	250	14.1	310
5.5	3.1	1.0	5.2	—	—	14.4	290	15.2	360	16.8	450
8.0	3.7	1.0	5.8	—	—	15.8	365	16.7	460	18.4	575
14	4.9	1.0	7.0	10.6	215	18.4	545	19.7	700	21.7	890
22	6.8	1.2	9.4	13.2	345	24.0	910	25.7	1,170	28.3	1,480
38	8.8	1.2	11.4	15.6	530	28.4	1,380	30.4	1,790	33.7	2,280
60	11.3	1.5	14.5	19.1	810	(35.4)	(2,140)	38.0	2,780	42.2	3,550
80	13.1	2.0	17.3	(22.3)	(1,100)	(41.8)	(2,940)	(44.9)	(3,830)	(50.0)	(4,890)
100	14.7	2.0	18.9	24.1	1,340	(45.4)	(3,560)	48.7	4,650	54.2	5,940
150	17.6	2.0	21.8	27.4	1,820	(52.0)	(4,820)	55.8	6,320	—	—
200	20.6	2.5	25.8	31.8	2,500	—	—	—	—	—	—



<Note> This cable is not suitable for applications where it is constantly bent or twisted, or where oil resistance and flame retardancy are required.