

1000V RFX-MTW LF

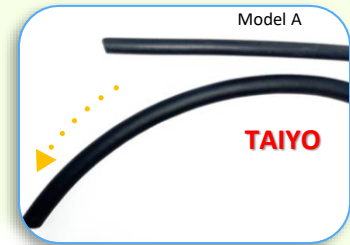
1000V RFX-SB LF

1000V RFX-MTW LF

1000V RFX-SB LF



- 1000V
- High-Flexibility
- Bending Flexibility
- Wire Saving



- High-flexibility and High-slipperiness with UL-compliant materials.
- Bending characteristics: passed 5 million times of U-shaped turn-back.
- Allowable bending radius: "4D" for fixing *

* Make sure to secure more than 4 times space of 4D=Outer diameter (mm).

- UL Listing with MTW
- CE Marking

- with Shield
- EMC Measures (Noise Control)



Tin-plated soft copper wire
braided shield

Heat-resistant flexible plastic
Insulator

Heat & Oil resistant
flexible plastic



* The performance described in this leaflet is not guaranteed under actual usage environment.

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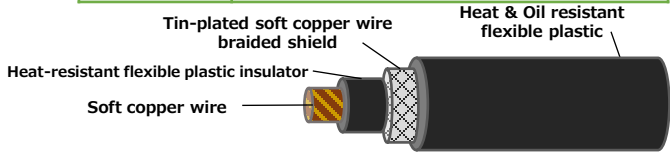
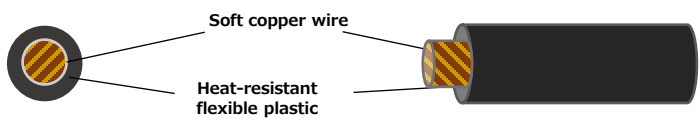


> 1000V RFX-MTW LF

Certification	UL MTW	UL AWM cUL AMW	CE Marking	Electrical Appliance and Material Safety (14~3/0AWG)
Compatible Standard	UL1063	UL758 CSA C22.2 No.210	EN50525-2-31	PSE
Type sign	MTW	UL style 11563 CSA AWM IA/B	Equivalent to H07V-K	Heat resistant insulated wire
Voltage	600V	1000V	450/750V	600V
Temp[°C]	DRY90°C WET60°C	105°C	70°C	75°C
Flame Resist	VW-1	VW-1,FT-1	EN60332-1-2	JIS C 3005 4.26.2(b)
RoHS	Compatible to 2011/65/EU&(EU)2015/863(10materials)			

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Certification	UL AWM
Compatible	UL758
Type Sign	UL style 10678
Voltage	1000V
Temp[°C]	90°C
Flame Resist	VW-1
RoHS	Compatible to 2011/65/EU&(EU)2015/863(10Materials)



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Conductor			Insulation		Approx. Weight (kg/km)	Electrical Characteristics					(A)
Size AWG	Construction (Per/mm)	Outer Diameter (mm)	Thick ness (mm)	Outer Diameter (mm)		Withstand Voltage V/1min	Withstand Voltage V/5min	Conductor Resistance (20°C) Ω/km	Insulation Resistance (20°C) MΩ/km	Insulation Resistance (70°C) MΩ/km	Allowable Current Rating up to 3 Conductors
14	7/60/0.08	2.07	0.85	3.8	30	2,000	2,500	8.6	50	0.0100	25
12	7/63/0.10	2.65	0.85	4.4	45	2,000	2,500	5.41	50	0.0079	30
10	7/99/0.10	3.3	1.0	5.3	70	2,000	2,500	3.409	50	0.0076	40
8	7/50/0.18	4.3	1.4	7.7	130	2,500	2,500	2.144	50	0.0080	55
6	7/84/0.18	5.7	1.7	9.1	200	2,500	2,500	1.32	50	0.0075	75
4	7/126/0.18	6.9	1.7	10.3	280	2,500	2,500	0.848	40	0.0064	95
2	7/200/0.18	8.7	1.8	12.3	430	3,000	2,500	0.533	40	0.0055	130
1	7/252/0.18	9.7	2.3	14.3	555	3,000	2,500	0.423	40	0.0062	150
1/0	12/186/0.18	10.9	2.3	15.8	685	3,000	2,500	0.335	40	0.0056	170
2/0	12/240/0.18	12.4	2.3	17.3	860	3,000	2,500	0.266	30	0.0050	195
3/0	12/300/0.18	13.9	2.3	18.8	1,060	3,000	2,500	0.211	30	0.0046	225
4/0	19/240/0.18	15.5	2.3	20.4	1,310	3,000	2,500	0.167	30	0.0041	260

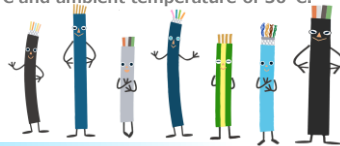
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Cores	Conductor			Insulation		Sheath		Approx. Weight (kg/km)	Electrical Characteristics			Allowable Current Rating(A)
	Size (AWG)	Construction (Per/mm)	Outer Diameter (mm)	Thick ness (mm)	Thick ness (mm)	Outer Diameter (mm)	Withstand Voltage V/1min		Conductor Resistance (20°C) Ω/km	Insulation Resistance (20°C) MΩ/km		
1	10	7/99/0.10	3.3	0.85	0.85	7.3	110	3,000	~3.30		63	
1	8	7/50/0.18	4.3	1.7	0.85	10.1	320	3,000	~2.18		89	
1	6	7/84/0.18	5.7	1.7	0.85	11.5	400	3,000	~1.32		122	
1	4	7/126/0.18	6.9	1.7	0.85	12.8	500	3,000	~0.882		157	
1	2	7/200/0.18	8.7	8.7	1.4	15.9	700	3,000	~0.554	10以上	211	
1	1	7/252/0.18	9.7	9.7	1.4	17.9	850	3,000	~0.441		243	
1	1/0	12/186/0.18	11.2	11.2	1.4	19.4	1000	3,000	~0.349		284	
1	2/0	12/240/0.18	12.7	12.7	1.7	21.5	1220	3,000	~0.270		333	
1	3/0	12/300/0.18	14.2	2.3	1.7	23.0	1310	3,000	~0.206		393	
1	4/0	19/240/0.18	15.8	2.3	1.7	24.6	1580	3,000	~0.161		457	

[Allowable Current Rating]

- The allowable current rating is based on NFPA79 standards with rated temperature of 90°C and ambient temperature of 30°C.
- For more details, please refer to our specification sheet.
- For current correction factors, please refer to our specification sheet.
- For specific usage details, please refer to NFPA70 and NFPA79.

We are always available for your inquiries.



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