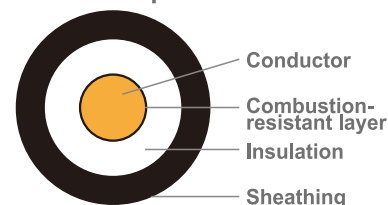


Combustion-Resistant Cable(950°C/90min)

- Standard(s) [FR-CV, FR-CL, FR-EV]Approval criteria for combustion-resistant cables
- Application Suitable for power or control lines used in safety systems such as emergency escapes and fire alarms.
- Characteristics Features a combustion-resistant layer with excellent heat resistance, fire resistance, and insulating properties. The insulation layer is made of PE or XLPE and sheathed with PVC or LSHF.In the event of a fire, power can still be transmitted for a considerable amount of time to keep the firefighting and safety systems in operation.

Reference picture



Construction and properties table / 600V Single-core cable

Nominal cross-sectional area	Conductor		Combustion-resistant layer thickness (Note)	Insulation thickness	Sheathing thickness	Finished external diameter (approx.)	Maximum conductor resistance (20°C)	Test voltage (A.C.)	Minimum insulation resistance (20°C)	Standard length
	Construction (number of strands/strand diameter) or shapestrand/	External diameter (approx.)								
mm ²	mm	mm	mm	mm	mm	mm	Ω/km	V/ 1min	MΩ-km	m
--	1/1.2	1.2	0.4	0.8	1.5	6.4	15.8	1500	2500	300
--	1/1.6	1.6		0.8	1.5	6.8	8.92	1500	2500	300
--	1/2.0	2.0		0.8	1.5	7.2	5.65	1500	2500	300
--	1/2.6	2.6		1.0	1.5	7.8	3.35	1500	2500	300
1.25	7/0.45	1.35		0.8	1.5	6.6	16.5	1500	2500	300
2	7/0.6	1.8		0.8	1.5	7.0	9.24	1500	2500	300
3.5	7/0.8	2.4		0.8	1.5	7.6	5.20	1500	2500	300
5.5	7/1.0	3.0		1.0	1.5	8.6	3.33	1500	2500	300
8	7/1.2	3.6		1.0	1.5	9.2	2.31	1500	2000	300
14	Round compact	4.4	0.6	1.0	1.5	10.0	1.31	2000	1500	300
22		5.5		1.2	1.5	11.6	0.832	2000	1500	300
30		6.5		1.2	1.5	12.4	0.610	2000	1500	300
38		7.3		1.2	1.5	13.1	0.481	2500	1500	300
50		8.5		1.5	1.5	14.8	0.366	2500	1500	300
60		9.3		1.5	1.5	15.7	0.305	2500	1500	300
80		10.8		1.5	1.5	17.1	0.229	2500	1500	300
100		12.0		2.0	1.5	19.4	0.183	3000	1500	300
125		13.5		2.0	1.5	20.8	0.146	3000	1000	300
150		14.7		2.0	1.6	22.5	0.122	3000	1000	300
200		17.0		2.5	1.7	25.6	0.0915	3000	1000	200
250		19.0		2.5	1.8	28.0	0.0739	3000	1000	200
325		21.7		2.5	1.9	30.7	0.0568	3000	900	200
400		24.1		2.5	2.0	33.6	0.0462	3000	800	150
500		26.5		3.0	2.2	37.5	0.0369	3500	800	150

Note: Combustion-resistant layer thickness is for reference only.



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