

Fire Resistant Cable Characteristics

Round 600V (3-Core)

Conductor			Thickness of Fire-resistant Layer (Note)	Thickness of Insulation	Thickness of Sheath	Cable O.D (Approx.)	Max. Conductor Resistance (20℃)	A.C. Test Voltage	Min. Insulation Resistance (20℃)	Standard Length
Nominal Cross Section Area	Number and Nominal Dia.	O.D (Approx)								
mm ²	Num. / mm	mm	mm	mm	mm	mm	Ω/Km	Kv/1min	MΩKm	m
-	1/1.0	1.0	0.4	0.8	1.5	11.0	23.3	1.5	2500	300
-	1/1.2	1.2	0.4	0.8	1.5	11.5	16.1	1.5	2500	300
-	1/1.6	1.6	0.4	0.8	1.5	12.5	9.10	1.5	2500	300
-	1/2.0	2.0	0.4	0.8	1.5	13.0	5.76	1.5	2500	300
-	1/2.6	2.6	0.4	1.0	1.5	15.5	3.42	1.5	2500	300
1.25	7/0.45	1.35	0.4	0.8	1.5	12.0	16.8	1.5	2500	300
2	7/0.6	1.8	0.4	0.8	1.5	13.0	9.42	1.5	2500	300
3.5	7/0.8	2.4	0.4	0.8	1.5	14.0	5.30	1.5	2500	300
5.5	7/1.0	3.0	0.4	1.0	1.5	16.0	3.40	1.5	2500	300
8	7/1.2	3.6	0.4	1.0	1.5	17.5	2.36	1.5	2000	300
	Compressed (Round)	3.4			1.5	17.0	2.34		2000	
14	7/1.6	4.8	0.6	1.0	1.5	20.5	1.33	1.5	1500	300
	Compressed (Round)	4.4			1.5	19.5	1.34		1500	
22	7/2.0	6.0	0.6	1.2	1.6	24.0	0.840	2.0	1500	300
	Compressed (Round)	5.5			1.6	23.0	0.849		1500	
30	7/2.3	6.9	0.6	1.2	1.6	26.0	0.635	2.0	1500	300
	Compressed (Round)	6.5			1.6	25.5	0.622		1500	
38	7/2.6	7.8	0.6	1.2	1.7	28.5	0.497	2.0	1500	300
	Compressed (Round)	7.3			1.7	27.5	0.491		1500	
50	19/1.8	9.0	0.6	1.5	1.9	32.5	0.386	2.5	1500	300
	Compressed (Round)	8.5			1.8	31.5	0.373		1500	
60	19/2.0	10.0	0.6	1.5	2.0	35.0	0.309	2.5	1500	300
	Compressed (Round)	9.3			1.9	33.5	0.311		1500	
80	19/2.3	11.5	0.6	1.5	2.0	33.5	0.234	2.5	1500	300
	Compressed (Round)	10.8			2.0	37.0	0.234		1500	
100	19/2.6	13.0	0.6	2.0	2.3	44.5	0.184	2.5	1500	300
	Compressed (Round)	12.0			2.2	42.0	0.187		1500	
125	19/2.9	14.5	0.6	2.0	2.4	48.0	0.147	3.0	1000	300
	Compressed (Round)	13.5			2.4	46.0	0.149		1000	
150	37/2.3	16.1	0.6	2.0	2.5	51.5	0.120	3.0	900	300
	Compressed (Round)	14.7			2.4	49.0	0.124		1000	
200	37/2.6	18.2	0.6	2.5	2.8	59.0	0.0940	3.0	1000	200
	Compressed (Round)	17.0			2.7	57.0	0.0933		1500	
250	61/2.3	20.7	0.6	2.5	3.0	65.0	0.0736	3.0	900	200
	Compressed (Round)	19.0			2.8	60.5	0.0754		1000	
325	61/2.6	23.4	0.6	2.5	3.2	71.0	0.0576	3.0	800	200
	Compressed (Round)	21.7			3.1	67.0	0.0579		900	

Note: Thickness of Fire-Resistant is for reference only, it can be adjusted to follow fire resistant level by manufacturers.