

Fire Resistant Cable Characteristics

Round 600V (5-Core to 10-Core)

Core Number	Conductor			Thickness of Fire-resistant Layer (Note)	Thickness of Insulation	Thickness of Sheath	Cable O.D (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20°C)	Standard Length
	Nominal Cross Section Area	Number and Nominal Dia.	O.D (Approx)								
C	mm ²	Num. / mm	mm	mm	mm	mm	mm	Ω /Km	Kv/1min	M Ω Km	m
5	-	1/1.0	1.0	0.4	0.8	1.5	13.0	23.3	1.5	2500	300
	-	1/1.2	1.2	0.4	0.8	1.5	13.5	16.1	1.5	2500	300
	-	1/1.6	1.6	0.4	0.8	1.5	14.5	9.10	1.5	2500	300
	-	1/2.0	2.0	0.4	0.8	1.5	15.5	5.76	1.5	2500	300
	-	1/2.6	2.6	0.4	1.0	1.5	18.5	3.42	1.5	2500	300
	2.0	7/0.6	1.8	0.4	0.8	1.5	15.0	9.42	1.5	2500	300
	3.5	7/0.8	2.4	0.4	0.8	1.5	17.0	5.30	1.5	2500	300
	5.5	7/1.0	3.0	0.4	1.0	1.5	20.0	3.40	1.5	2500	300
6	-	1/1.0	1.0	0.4	0.8	1.5	14.0	23.3	1.5	2500	300
	-	1/1.2	1.2	0.4	0.8	1.5	15.0	16.1	1.5	2500	300
	-	1/1.6	1.6	0.4	0.8	1.5	16.0	9.10	1.5	2500	300
	-	1/2.0	2.0	0.4	0.8	1.5	17.0	5.76	1.5	2500	300
	-	1/2.6	2.6	0.4	1.0	1.5	20.5	3.42	1.5	2500	300
	2.0	7/0.6	1.8	0.4	0.8	1.5	16.5	9.42	1.5	2500	300
	3.5	7/0.8	2.4	0.4	0.8	1.5	18.5	5.30	1.5	2500	300
	5.5	7/1.0	3.0	0.4	1.0	1.5	21.5	3.40	1.5	2500	300
7	-	1/1.0	1.0	0.4	0.8	1.5	14.0	23.3	1.5	2500	300
	-	1/1.2	1.2	0.4	0.8	1.5	15.0	16.1	1.5	2500	300
	-	1/1.6	1.6	0.4	0.8	1.5	16.0	9.10	1.5	2500	300
	-	1/2.0	2.0	0.4	0.8	1.5	17.0	5.76	1.5	2500	300
	-	1/2.6	2.6	0.4	1.0	1.5	20.5	3.42	1.5	2500	300
	2.0	7/0.6	1.8	0.4	0.8	1.5	16.5	9.42	1.5	2500	300
	3.5	7/0.8	2.4	0.4	0.8	1.5	18.5	5.30	1.5	2500	300
	5.5	7/1.0	3.0	0.4	1.0	1.5	21.5	3.40	1.5	2500	300
8	-	1/1.0	1.0	0.4	0.8	1.5	15.0	23.3	1.5	2500	300
	-	1/1.2	1.2	0.4	0.8	1.5	16.0	16.1	1.5	2500	300
	-	1/1.6	1.6	0.4	0.8	1.5	17.0	9.10	1.5	2500	300
	-	1/2.0	2.0	0.4	0.8	1.5	18.5	5.76	1.5	2500	300
	-	1/2.6	2.6	0.4	1.0	1.6	22.0	3.42	1.5	2500	300
	2.0	7/0.6	1.8	0.4	0.8	1.5	18.0	9.42	1.5	2500	300
	3.5	7/0.8	2.4	0.4	0.8	1.5	20.0	5.30	1.5	2500	300
	5.5	7/1.0	3.0	0.4	1.0	1.6	23.0	3.40	1.5	2500	300
9	-	1/1.0	1.0	0.4	0.8	1.5	16.0	23.3	1.5	2500	300
	-	1/1.2	1.2	0.4	0.8	1.5	17.0	16.1	1.5	2500	300
	-	1/1.6	1.6	0.4	0.8	1.5	18.5	9.10	1.5	2500	300
	-	1/2.0	2.0	0.4	0.8	1.5	20.0	5.76	1.5	2500	300
	-	1/2.6	2.6	0.4	1.0	1.6	23.5	3.42	1.5	2500	300
	2.0	7/0.6	1.8	0.4	0.8	1.5	19.5	9.42	1.5	2500	300
	3.5	7/0.8	2.4	0.4	0.8	1.6	21.5	5.30	1.5	2500	300
	5.5	7/1.0	3.0	0.4	1.0	1.7	25.5	3.40	1.5	2500	300
10	-	1/1.0	1.0	0.4	0.8	1.5	18.0	23.3	1.5	2500	300
	-	1/1.2	1.2	0.4	0.8	1.5	19.0	16.1	1.5	2500	300
	-	1/1.6	1.6	0.4	0.8	1.5	20.5	9.10	1.5	2500	300
	-	1/2.0	2.0	0.4	0.8	1.6	22.0	5.76	1.5	2500	300
	-	1/2.6	2.6	0.4	1.0	1.7	26.0	3.42	1.5	2500	300
	2.0	7/0.6	1.8	0.4	0.8	1.6	21.0	9.42	1.5	2500	300
	3.5	7/0.8	2.4	0.4	0.8	1.6	24.0	5.30	1.5	2500	300
	5.5	7/1.0	3.0	0.4	1.0	1.8	28.5	3.40	1.5	2500	300

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



Round 600V (12-Core to 30-Core)

Core Number	Conductor			Thickness of Fire-resistant Layer (Note)	Thickness of Insulation	Thickness of Sheath	Cable O.D (Approx.)	Conductor Resistance (20°C)	Test Voltage	Insulation Resistance (20°C)	Standard Length
	Nominal Cross Section Area	Number and Nominal Dia.	O.D (Approx)								
C	mm ²	Num. / mm	mm	mm	mm	mm	mm	Ω /Km	Kv/1min	M Ω Km	m
12	-	1/1.0	1.0	0.4	0.8	1.5	18.0	23.3	1.5	2500	300
	-	1/1.2	1.2	0.4	0.8	1.5	19.0	16.1	1.5	2500	300
	-	1/1.6	1.6	0.4	0.8	1.6	21.0	9.10	1.5	2500	300
	-	1/2.0	2.0	0.4	0.8	1.6	23.0	5.76	1.5	2500	300
	-	1/2.6	2.6	0.4	1.0	1.8	27.0	3.42	1.5	2500	300
	2.0	7/0.6	1.8	0.4	0.8	1.6	22.0	9.42	1.5	2500	300
	3.5	7/0.8	2.4	0.4	0.8	1.7	25.0	5.30	1.5	2500	300
5.5	7/1.0	3.0	0.4	1.0	1.9	29.5	3.40	1.5	2500	300	
16	-	1/1.0	1.0	0.4	0.8	1.5	20.5	23.3	1.5	2500	300
	-	1/1.2	1.2	0.4	0.8	1.6	21.5	16.1	1.5	2500	300
	-	1/1.6	1.6	0.4	0.8	1.6	23.5	9.10	1.5	2500	300
	-	1/2.0	2.0	0.4	0.8	1.7	26.0	5.76	1.5	2500	300
	-	1/2.6	2.6	0.4	1.0	1.9	31.0	3.42	1.5	2500	300
	2.0	7/0.6	1.8	0.4	0.8	1.7	25.0	9.42	1.5	2500	300
	3.5	7/0.8	2.4	0.4	0.8	1.8	28.0	5.30	1.5	2500	300
5.5	7/1.0	3.0	0.4	1.0	2.0	33.0	3.40	1.5	2500	300	
19	-	1/1.0	1.0	0.4	0.8	1.5	22.0	23.3	1.5	2500	300
	-	1/1.2	1.2	0.4	0.8	1.6	23.0	16.1	1.5	2500	300
	-	1/1.6	1.6	0.4	0.8	1.7	25.0	9.10	1.5	2500	300
	-	1/2.0	2.0	0.4	0.8	1.8	27.0	5.76	1.5	2500	300
	-	1/2.6	2.6	0.4	1.0	2.0	32.5	3.42	1.5	2500	300
	2.0	7/0.6	1.8	0.4	0.8	1.7	26.0	9.42	1.5	2500	300
	3.5	7/0.8	2.4	0.4	0.8	1.9	29.0	5.30	1.5	2500	300
5.5	7/1.0	3.0	0.4	1.0	2.1	35.0	3.40	1.5	2500	300	
24	-	1/1.0	1.0	0.4	0.8	1.7	25.5	23.3	1.5	2500	300
	-	1/1.2	1.2	0.4	0.8	1.8	27.0	16.1	1.5	2500	300
	-	1/1.6	1.6	0.4	0.8	1.9	29.5	9.10	1.5	2500	300
	-	1/2.0	2.0	0.4	0.8	2.0	32.0	5.76	1.5	2500	300
	-	1/2.6	2.6	0.4	1.0	2.0	38.5	3.42	1.5	2500	300
	2.0	7/0.6	1.8	0.4	0.8	1.9	31.0	9.42	1.5	2500	300
	3.5	7/0.8	2.4	0.4	0.8	2.1	35.0	5.30	1.5	2500	300
27	-	1/1.0	1.0	0.4	0.8	1.8	26.0	23.3	1.5	2500	300
	-	1/1.2	1.2	0.4	0.8	1.8	28.0	16.1	1.5	2500	300
	-	1/1.6	1.6	0.4	0.8	1.9	29.0	9.10	1.5	2500	300
	-	1/2.0	2.0	0.4	0.8	2.0	33.0	5.76	1.5	2500	300
	-	1/2.6	2.6	0.4	1.0	2.3	40.0	3.42	1.5	2500	300
	2.0	7/0.6	1.8	0.4	0.8	2.0	32.0	9.42	1.5	2500	300
	3.5	7/0.8	2.4	0.4	0.8	2.1	36.0	5.30	1.5	2500	300
30	-	1/1.0	1.0	0.4	0.8	1.8	28.0	23.3	1.5	2500	300
	-	1/1.2	1.2	0.4	0.8	1.8	29.0	16.1	1.5	2500	300
	-	1/1.6	1.6	0.4	0.8	1.9	31.0	9.10	1.5	2500	300
	-	1/2.0	2.0	0.4	0.8	2.0	34.0	5.76	1.5	2500	300
	-	1/2.6	2.6	0.4	1.0	2.3	41.0	3.42	1.5	2500	300
	2.0	7/0.6	1.8	0.4	0.8	2.0	33.0	9.42	1.5	2500	300
	3.5	7/0.8	2.4	0.4	0.8	2.1	37.0	5.30	1.5	2500	300

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