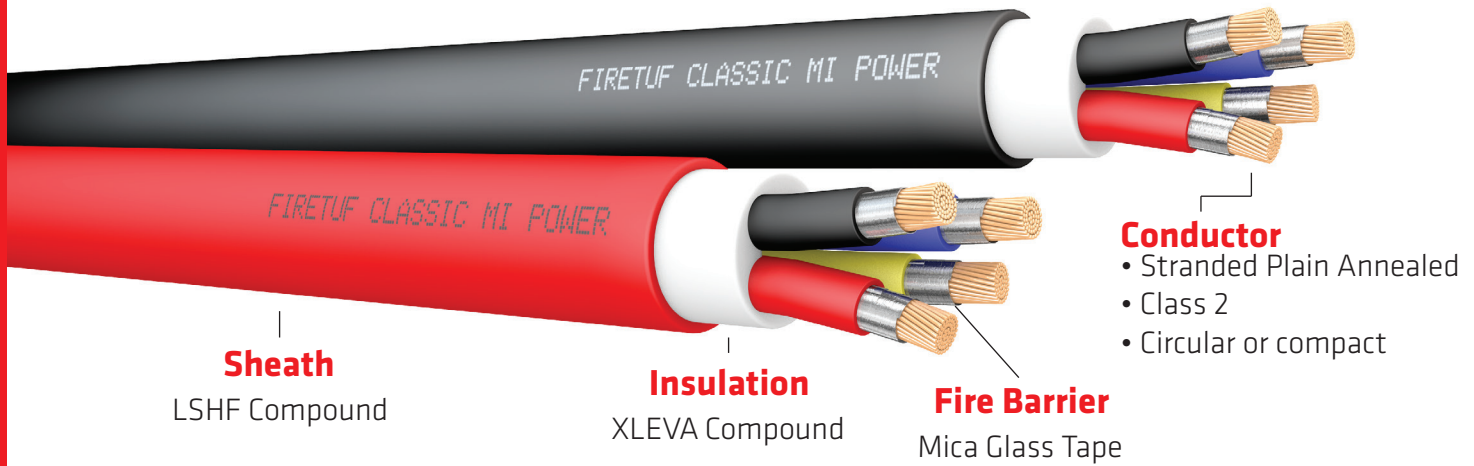


FireTUF[®] Classic MI POWER

0.6/1kV, Unarmoured



Application & Features

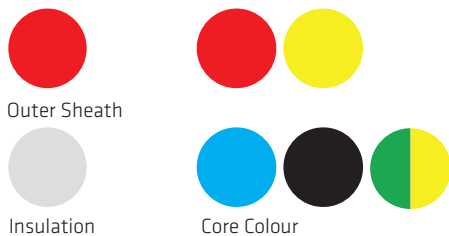
These cables offer the advantages of an unarmoured 600/1000 Volt rated, zero halogen, low smoke cable with enhanced circuit integrity. They are intended for use in installations where vital circuits are required to continue to operate in the event of an outbreak of fire. They are particularly suited for use in public buildings, such as hospitals, theatres, shopping developments, tunnels, mass transit utilities, oil & petrochemical plants, power stations and computer installations where the danger to life, equipment and structures may be greatly increased in the event of a power failure due to fire.

Thermal Characteristics

Operating Temperature

-40°C to 110°C

Identification



Optional Features



Bending Radius

Minimum bending radius
8 x overall diameter

Performance Characteristics

Reference Standard: [IEC 60228](#)
[BS 6360 \(Class 2\)](#)

Circuit Integrity: [IEC 60331](#)
[BS 6387, C, W & Z](#)

Flame Retardant: [IEC 60332-1,](#)
[60332-3, A,](#)
[B, C](#)

Acid Gas Emission: [IEC 60754](#)

Smoke Emission: [IEC 61034](#)

Cable Size	Nominal Insulation Thickness	Nominal Sheath Thickness	Classic Enhanced		Max Conductor Resistance			
			Approx. Overall Diameter	Approx Weight	DC at 20°C	AC at 90°C	Reactance at 50Hz	Impedance AC at 90°C
mm ²	mm	mm	mm	kg/km	Ω/km	Ω/km	Ω/km	Ω/km
2x1.5	0.7	1.8	11.3	183	12.1	15.428	0.104	15.428
2x2.5	0.7	1.8	12.1	222	7.41	9.448	0.101	9.448
2x4	0.7	1.8	13.2	279	4.61	5.878	0.099	5.878
2x6	0.7	1.8	14.3	347	3.08	3.927	0.094	3.928
2x10	0.7	1.8	16.5	431	1.83	2.333	0.093	2.335
2x16	0.7	1.8	18.6	589	1.15	1.466	0.088	1.469
2x25	0.9	1.8	22.1	863	0.727	0.927	0.082	0.930
2x35	0.9	1.8	24.5	1,112	0.524	0.668	0.077	0.673
2x50	1.0	1.8	27.4	1,438	0.387	0.494	0.076	0.500
2x70	1.1	1.8	31.4	1,967	0.268	0.342	0.075	0.349
2x95	1.1	2.0	35.6	2,629	0.193	0.247	0.074	0.258
2x120	1.2	2.1	39.4	3,265	0.153	0.196	0.072	0.209
2x150	1.4	2.2	43.5	3,990	0.124	0.160	0.073	0.176
2x185	1.6	2.3	48.3	4,952	0.0991	0.128	0.073	0.148
2x240	1.7	2.5	54.3	6,389	0.0754	0.099	0.072	0.122
2x300	1.8	2.6	59.8	7,873	0.0601	0.080	0.072	0.107
2x400	2.0	2.9	67.1	10,011	0.047	0.064	0.071	0.096



FireTUF Classic

MI POWER

0.6/1kV, Unarmoured

Cable Size	Nominal Insulation Thickness	Nominal Sheath Thickness	Classic Enhanced		Max Conductor Resistance			
			Approx. Overall Diameter	Approx Weight	DC at 20°C	AC at 90°C	Reactance at 50Hz	Impedance AC at 90°C
mm ²	mm	mm	mm	kg/km	Ω/km	Ω/km	Ω/km	Ω/km
3x1.5	0.7	1.8	11.9	211	12.1	15.428	0.104	15.428
3x2.5	0.7	1.8	12.8	260	7.41	9.448	0.101	9.448
3x4	0.7	1.8	13.9	322	4.61	5.878	0.099	5.878
3x6	0.7	1.8	15.2	420	3.08	3.927	0.094	3.928
3x10	0.7	1.8	17.6	534	1.83	2.333	0.093	2.335
3x16	0.7	1.8	19.8	746	1.15	1.466	0.088	1.469
3x25	0.9	1.8	23.5	1,099	0.727	0.927	0.082	0.930
3x35	0.9	1.8	26.2	1,430	0.524	0.668	0.077	0.673
3x50	1.0	1.8	29.3	1,940	0.387	0.494	0.076	0.500
3x70	1.1	1.9	33.8	2,698	0.268	0.342	0.075	0.349
3x95	1.1	2.0	38.1	3,594	0.193	0.247	0.074	0.258
3x120	1.2	2.1	42.3	4,471	0.153	0.196	0.072	0.209
3x150	1.4	2.3	46.8	5,498	0.124	0.160	0.073	0.176
3x185	1.6	2.4	52.0	6,838	0.0991	0.128	0.073	0.148
3x240	1.7	2.6	58.5	8,830	0.0754	0.099	0.072	0.122
3x300	1.8	2.8	64.5	10,949	0.0601	0.080	0.072	0.107
3x400	2.0	3.0	72.2	13,875	0.047	0.064	0.071	0.096

Cable Size	Nominal Insulation Thickness	Nominal Sheath Thickness	Classic Enhanced		Max Conductor Resistance			
			Approx. Overall Diameter	Approx Weight	DC at 20°C	AC at 90°C	Reactance at 50Hz	Impedance AC at 90°C
mm ²	mm	mm	mm	kg/km	Ω/km	Ω/km	Ω/km	Ω/km
4x1.5	0.7	1.8	12.9	248	12.1	15.428	12.1	15.428
4x2.5	0.7	1.8	13.9	309	7.41	9.448	7.41	9.448
4x4	0.7	1.8	15.2	399	4.61	5.878	4.61	5.878
4x6	0.7	1.8	16.6	512	3.08	3.927	3.08	3.928
4x10	0.7	1.8	19.2	678	1.83	2.333	1.83	2.335
4x16	0.7	1.8	21.8	952	1.15	1.466	1.15	1.469
4x25	0.9	1.8	25.9	1,419	0.727	0.927	0.727	0.930
4x35	0.9	1.8	28.9	1,845	0.524	0.668	0.524	0.673
4x50	1.0	1.8	32.4	2,411	0.387	0.494	0.387	0.500
4x70	1.1	2.0	37.7	3,526	0.268	0.342	0.268	0.349
4x95	1.1	2.2	42.7	4,727	0.193	0.247	0.193	0.258
4x120	1.2	2.3	46.8	5,837	0.153	0.196	0.153	0.209
4x150	1.4	2.4	52.1	7,200	0.124	0.160	0.124	0.176
4x185	1.6	2.6	58.1	8,996	0.0991	0.128	0.0991	0.148
4x240	1.7	2.8	65.3	11,617	0.0754	0.099	0.0754	0.122
4x300	1.8	3.0	72.0	14,402	0.0601	0.080	0.0601	0.107
4x400	2.0	3.3	80.8	18,300	0.047	0.064	0.047	0.096

Cable Size	Nominal Insulation Thickness	Nominal Sheath Thickness	Classic Enhanced		Max Conductor Resistance			
			Approx. Overall Diameter	Approx Weight	DC at 20°C	AC at 90°C	Reactance at 50Hz	Impedance AC at 90°C
mm ²	mm	mm	mm	kg/km	Ω/km	Ω/km	Ω/km	Ω/km
7x1.5	0.7	1.8	15.2	329	12.1	15.428	0.104	15.428
10x1.5	0.7	1.8	19.0	460	12.1	15.428	0.104	15.428
12x1.5	0.7	1.8	19.6	518	12.1	15.428	0.104	15.428
16x1.5	0.7	1.8	21.7	658	12.1	15.428	0.104	15.428
20x1.5	0.7	1.8	24.1	796	12.1	15.428	0.104	15.428
21x1.5	0.7	1.8	24.1	826	12.1	15.428	0.104	15.428
30x1.5	0.7	1.8	28.2	1,128	12.1	15.428	0.104	15.428
7x2.5	0.7	1.8	16.4	418	7.41	9.448	0.101	9.448
10x2.5	0.7	1.8	20.7	586	7.41	9.448	0.101	9.448
12x2.5	0.7	1.8	21.3	674	7.41	9.448	0.101	9.448
16x2.5	0.7	1.8	23.6	855	7.41	9.448	0.101	9.448
20x2.5	0.7	1.8	26.3	1,038	7.41	9.448	0.101	9.448
21x2.5	0.7	1.8	26.3	1,078	7.41	9.448	0.101	9.448
30x2.5	0.7	1.8	30.9	1,485	7.41	9.448	0.101	9.448