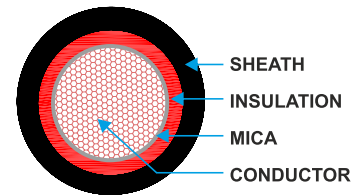




Fire Survival Cables

Single core Unarmoured



Application

Fire Survival or Circuit Integrity Cables (CIC) are essential for critical electrical circuits that must function in emergencies, such as safety circuits and life support circuits. These cables are typically used in power stations, mass transit underground passenger systems, airports, petrochemical plants, hotels, hospitals, and high-rise buildings. They play a crucial role in ensuring that these infrastructures operate safely and reliably when needed the most.

Properties

- Resistance to fire alone : Cat.-C 950°C / 3Hrs.
- Resistance to fire with water : Cat.-W
- Resistance to fire with mechanical shock : Cat.-Z / 950°C
- Long-term circuit integrity in a fire (IEC 60331-21; BS 6387)
- Low smoke ASTM D-2843, and toxic gas emissions, zero halogen gases (IEC 61034-2, IEC 60754-1; EN 50267-2-1)
- UV resistance, hydrocarbon resistance, oil resistance, anti-rodent

Construction

- Conductor : Annealed copper conductor (IEC : 60228) class-5 / class-2
- Insulation : Halogen free XLPE primary insulation material (Type EI 5 to EN 50363-5)
- Cover / Tape : MICA tape fire resisting barrier
- Sheath : Flame retardant LSZH type LTS 1

Technical Parameter

- Operating temperature : -25°C to +90°C
- Rated voltage : 300 / 500 for 0.50 to 1.00mm², 600 / 1100V above 1.00mm²
- Standard compliance : IEC 60331; BS 6387: BS 8491: BS 8434/2, IEC 60332 - 1 & 3.
- Compliance : RoHS



0201 - Fire Survival Cables

Single Core, Solid, Stranded, Flexible, Unarmoured Cable.

Part Code	Conductor No. of Cores × Cross-sectional Area No. × mm ²	Conductor Class	Dimensional and Weight			
			Nominal Insulation Thickness	Min. Overall Diameter	Max. Overall Diameter	Approx. Weight
			mm	mm	mm	kg/km
0201T010005S	1×0.5	1	0.6	2.9	3.3	13.5
0201T010007S	1×0.75	1	0.6	3.1	3.5	16.5
0201T010010S	1×1.0	1	0.6	3.2	3.7	19.7
0201T010005R	1×0.5	2	0.6	3.0	3.4	14.4
0201T010007R	1×0.75	2	0.6	3.2	3.6	17.3
0201T010010R	1×1.0	2	0.6	3.3	3.8	21.3
0201T010005F	1×0.5	5	0.6	3.1	3.5	14.2
0201T010007F	1×0.75	5	0.6	3.2	3.7	17.7
0201T010010F	1×1.0	5	0.6	3.4	3.8	20.7

Note: Conductor class-2, class-5 Available on customer request

