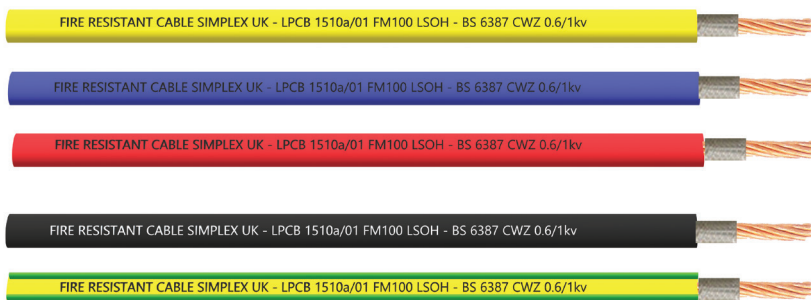


Simplex FM100 Single Core Fire Resistant Cables



Simplex FM100 range of single core fire resistant cables are designed and manufactured with quality and performance in mind. Meeting the test requirements of BS 6387 C.W.Z (**when installed and tested inside of a steel conduit**) FM100 cables incorporate a MICA tape fire barrier between conductor and LSOH (Low smoke zero halogen) sheath. Standard sheath colours are red, blue, black, yellow & green/yellow, additional colours are available if required.

	Nominal Conductor Cross Sectional Area mm ²	Conductor Make up		Max Conductor Resistance Ω /Km @20°C	Current Rating DC or Single Phase AC Amps	Minimum Width MICA Tape mm	Mean sheath Thickness mm	Nominal Cable Ø mm	Approx Weight Per 1000Mtr Kg/Km
		No of Strands	Ømm of Strands						
Simplex FM100 Single Core Cables	1.5	7	0.53	12.10	23.00	8.00	0.70	3.30	25
	2.5	7	0.67	7.41	31.00	10.00	0.80	3.75	36.5
	4.0	7	0.85	4.61	42.00	12.00	0.80	4.30	52
	6.0	7	1.04	3.08	54.00	14.00	0.80	5.00	72
	10.0	7	1.35	1.83	75.00	18.00	1.00	6.80	115

- Construction:** Plain annealed stranded copper conductor conforming to BS EN 60228
Mica tape fire barrier around the conductor.
Sheath insulation Low Smoke Zero Halogen (LSOH) conforming to BS 7655 - E15.
- Fire Resistance:** FM100 Cables meet the requirements of IEC 60331 & BS 6387 C.W.Z when installed and tested inside steel conduit.
- Flame Retardance:** Meets BS EN 50265-2-1.
- Smoke Emission:** Complies with low smoke emissions as stated in BS 7211 & BS EN 61034-2
- Acid Gas:** BS EN 60754-1
- Temperature Range:** Designed to operate from -25 °C to 90 °C.
- Sheath Colours:** Red, blue, black, yellow & green/yellow, additional colours are available if required.
- Drum Lengths:** Supplied in 100mtr and 500mtr lengths on non-returnable drums.
- Approvals :** LPCB Approved to BS 6387 C.W.Z when installed and tested inside steel conduit.
The FM100 Fire Resistant Cable Simplex UK cables listed met Class PH120 when tested in accordance with EN50200:2015 and met the 120min duration when tested in accordance with BS 8434-2:2003+A2:2009.
- Sheath Markings:** FIRE RESISTANT CABLE SIMPLEX UK-LPCB 1510a/01 - FM100- LSOH - BS6387 C.W.Z - WIRE SIZE -0.6/1KV
- Notes** **Please check our LPCB approval cert 1510a/01 for full list of approved standards and notes.**