

## Simplex UK FM200 Enhanced Multi-Core Fire Resistant Cable

SIMPLEX UK FM200 ENHANCED FIRE RESISTANT CABLE BS EN 7629-1:2015



Simplex UK FM200 Enhanced multi-core fire resistant cable range has been designed to provide 120 minutes of fire protection and a cost effective solution to reducing installation costs incorporated by our “Quick Term” construction. Simplex UK FM200 Enhanced fire resistant cables provide power for fire alarms, emergency lighting circuits, and control equipment, compliant to BS EN 7629-1:2015 Enhanced 120 & BS EN 50200:2015 PH30, PH60 & PH120. Low Smoke Zero Halogen (LSZH) & fire resistant to BS EN 60754-1:2014 & BS EN 61034-2:2005.

No of Cores	Conductor Cross Sectional Area mm <sup>2</sup>	CPC Wire Cross Sectional Area mm <sup>2</sup>	Maximum Conductor Resistance Ω/Km @20°C	Current Rating DC or Single Phase AC Enclosed Amps	Current Rating DC or Single Phase AC Surface Clipped	Volt Drop DC or Single Phase AC mV/A/m	Approx. Cable Ø mm	Approx. Weight Per 1000Mtr Kg/Km	Single Clip Size (P-Clip) RCHL	Saddle Size (2 cables) RSFL
2	1.0	1.0	18.1	13	15	44	8.15	82	32	342
2	1.5	1.5	12.1	16.5	19.5	29	8.25	97	32	342
3	1.5	1.5	12.1	16.5	19.5	29	9.6	132	37	382
4	1.5	1.5	12.1	16.5	19.5	29	9.7	148	37	382
2	2.5	2.5	7.41	23	27	18	9.6	144	37	382
3	2.5	2.5	7.41	23	27	18	9.6	194	37	382
4	2.5	2.5	7.41	23	27	18	12.1	227	47	462
2	4.0	4.0	4.61	30	36	11	12.1	240	47	462
3	4.0	4.0	4.61	30	36	11	12.9	280	51	502
4	4.0	4.0	4.61	30	36	11	13.95	500	54	542

The above cables are supplied in lengths of 100mtr or 500mtr on non-returnable drums.

### Cable Construction Data:

**Conductor:** Plain annealed copper.

**Conductor Insulation:** Fire resistant silicon insulation, low smoke.

**Insulation Colours:** 2 Core: Blue/Brown.

**CPC Wire:** Solid tinned copper full size.

**Screen:** Copper/Aluminium foil.

**Sheath:** RED or WHITE Low smoke, zero halogen (LSZH) thermoplastic

**Operating Voltage:** 300v/ 500v.

Insulation Resistance: 200 MΩ/km

**Min Bending Radius:** 6 x Cable diameter.

**Operating Temperature Range:** -40 °C to +90 °C.

**Installation Temperature Range:** 0 °C to +70 °C..

**Fire Performance:** BS 6387:2013 C.W.Z. BS EN 7629-1:2015 Enhanced PH120 & BS EN 50200:2015 PH30, PH60 &PH120.

**Flame Tests:** Clause 26.2d of BS 5839-1:2013

**Smoke Density:** EN61034-2:2005 +A1:2013

**Corrosive Gas :** EN60754-1:2014 Less than 0.5%HCl

**Fixing Clips:** Simplex RCHL & RSFL copper fixing clips are recommended for these products spaced every 300mm horizontal and 400mm vertical.

