

# Fire Resistant Cables

## Two core, Unscreen, LSZH/HFFR Sheath

### BS6387 CWZ, PH I 20, PH30+E

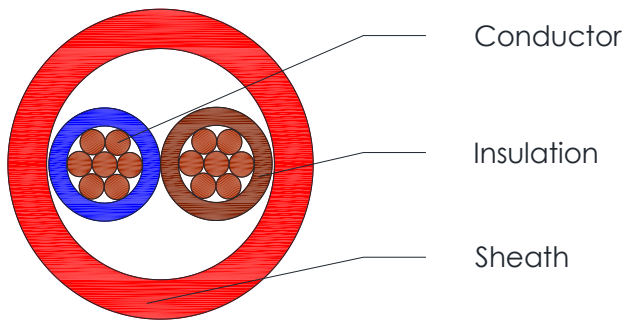


C15337, C15338

### Applications

Unscreened two core Fire Resistant cable for Building and Industrial Management Systems

### Cross Section Drawing



### Design

Unit	Properties
Conductor	Stranded Bare Copper wire, Class 2
Insulation	Silicon Rubber EI2 Core 1: Blue Core 2: Brown
Sheath Material	Halogen Free Flame-Retardant (LSZH/HFFR) Standard Colour: Red
Standard Put Up Length	305 and 500 metres

\*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

**Fire Resistant Cables**  
**Two core, Unscreen, LSZH/HFFR Sheath**  
**BS6387 CWZ, PH120, PH30+E**



**C15337, C15338**

**Physical Characteristics**

Part Number	C15337	C15338
No of cores x cross section in sqmm (mm <sup>2</sup> )	2 x 1.5	2 x 2.5
Conductor configuration (mm)	7 x 0.52	7 x 0.67
Nom. Radial Thickness Insulation (mm)	0.6	0.8
Nom. Insulation Diameter (mm)	2.80	3.60
Nom. Overall Diameter (mm)	7.70	8.50
Cable weight (kg/km)	95	130
Fire Resistance to BS6387, Cat. C	Exposed to fire at 950°C for 3 hours	
Fire Resistance to BS6387, Cat. W	Exposed to fire at 650°C for 15 minutes, then exposed to fire at 650°C with water for 15 minutes	
Fire Resistance to BS6387, Cat. Z	Exposed to fire at 950°C for 15 minutes, then exposed to fire at 650°C with mechanical shock for 15 minutes	

**Electrical Characteristics at 20°C**

Part Number	C15337	C15338
Max. DC Resistance Conductor (Ω/km)	12.1	7.41
Min. Insulation Resistance (MΩ*km)	200	
Max. recommended current at 25°C (Amps)	21	30
Max. Operating Voltage (Vrms)	300/500	

**Reference Standards**

BS 6387 CWZ	EN 50200 PH120 PH30+Annex E
IEC 60228	IEC 60754-1&-2
IEC 61034-1&-2	RoHS Directives