HELUKABEL®

Technical Data

18095412

BS 6387

LPCB Approved

FirePlanet
568a/02

HELUKABEL FIRE RESISTANT BS 6387 CWZ
For standard applications, low smoke, Halogen Free

Multi-Core, Silicon Rubber-Insulation, Collective Screen, LSZH-Sheath

Part No: 18095412 Sil/CAM/LSZH

Application
These special multicore cables are used for fire resistant and circuit integrity, and essentially to prevent life from smoke and noxious fumes, and where sensitive equipment may be damaged by acid forming gases.

Construction — 2x1,5 mm2

		Unit	Nominal Value
Formation	2 Cores		
Section	1,5 mm2		
Conductor	Plain annealed copper wire, solid	mm	1,3
Insulation	Special mix Silicon Rubber	mm	2,5
Colour Code	Blue, Brown		
Individual Screen	N.A.		
Wrapping	at least 1 layer of plastic tape 0,023 mm		
Collective Screen	0,026 mm Aluminium / PETP tape over copper drain wire		
Inner Sheath	N.A.		
Armour	N.A.		
Outer Sheath	Thermoplastic Low Smoke, Halogen Free - LSZH - Red	mm	6,6 +/- 5%
Cable Printing	HELUKABEL FR BS 6387 CWZ – 2x1.5 qmm -300/500V – Made in Italy		

Technical Data & Standard References

Fire Propagation:	
- Test on single cable	IEC 60332-1
- Test on bunched cables	IEC 60332-3
- Fire Performance*	IEC 60331-21
- Fire Resistant Test	BS6387 C-W-Z
Limiting Oxygen Index (LOI)	(min 37%)
Smoke Density	IEC 61034
Amount of halogen acid gas	IEC 60754-1 (max 0,5%)
Acidity (ph value) and conductivity	IEC 60754-2
Notes	

Construction Reference Standard:	BS 6387
Type of Cable:	Fire Resistant Cable
Low Voltage Directive	2014/35/UE
Other References:	
- BS EN 50267-2-1	
- BS 6234	
- BS 6360	
- BS 7655 1.1	
- BS 7655 6.1	
- IEC 60331-21	
- IEC 60332-3	

Electrical & Mechanical Data

Conductor Cross-section	Nom.	1,5 mm2	Temperature Range:		
DC Resistance per core at 20° C	max Ω/km	12,1	Flexing	° C	-5° C up to +50°C
Insulation Resistance at 20° C	min MΩ*km	200	Fixed Installation	° C	-40° C up to +75°C
Mutual Capacitance	max nF/km	120	Insulation Operation	° C	-40° C up to +180°C
Inductance	max mH/km	1	Min. Bending Radius	mm	8 x cable diameter
Test Voltage - Core/Core	V	2000	Max Pulling Tension	N/mm2	139
Test Voltage - Core/Screen	V	2000	Weight Approx	kg/km	75
L/R Ratio	max µH/Ω	40			
Operating Voltage	V	300/500			

RoHS 2002/95/EC