

# BMS-FIRE RESISTANT HFFR Cable, 2C to 8C, 18AWG Overall Screen, HFFR/LSZH Sheath

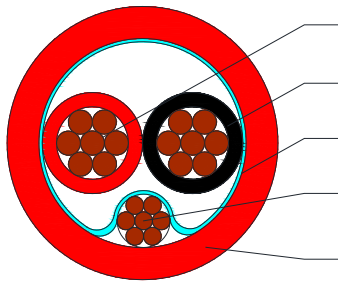


C15321, C15322, C15323, C15324, C15325

## Applications

Fire Resistant cables suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

## Cross Section Drawing



Conductor  
Insulation  
Al/PET Tape  
Drain Wire  
Sheath



## Design

Unit	Properties
Conductor	N x Bare Copper wire, 18AWG flexible
Insulation	Silicon Rubber Core 1: Black Core 2: Red Core 3: White Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow
Screen	Aluminium/Polyester 100% Coverage
Drain Wire	24 AWG (7 x 32) Tinned Copper
Sheath Material	Flame-Retardant Halogen Free (HFFR/LSZH) Standard colour: Red
Rip Cord	Nylon Yarn
Standard Put Up Length	305 meters

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

**BMS-FIRE RESISTANT HFFR Cable,  
2C to 8C, 18AWG Overall Screen,  
HFFR/LSZH Sheath**



**C15321, C15322, C15323, C15324, C15325**

**Physical Characteristics**

Part Number	C15321	C15322	C15323	C15324	C15325
No of cores x 18AWG (7 x 26)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.2				
Nom. Radial Thickness Insulation (mm)	0.55				
Nom. Radial Thickness Sheath (mm)	0.8				
Nom. Overall Diameter (mm)	6.3	6.5	6.7	7.7	8.2
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	200	299	399	600	797
Min. Bend Radius (install) (mm)	63	65	67	77	82

**Electrical Characteristics**

Part Number	C15321	C15322	C15323	C15324	C15325
No of cores x 18AWG (7 x 26)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	22.7				
Max. DC Resistance Screen (Ω/km)	78.5				
Max. Recommended Current at 25°C (Amps)	5	5	4	3.5	3.5
Max. Operating Voltage (Vrms)	300				

**Reference Standards**

(BS) EN 50290-2
IEC 60228
IEC 60754-1 & 2
IEC 61034, IEC 60332-3-24
EN 50200 PH30
RoHS directives