

# Instrument Signal Cables

## I to I OPR, Overall Screen, LSZH/HFFR Sheath

### BS6387 CWZ

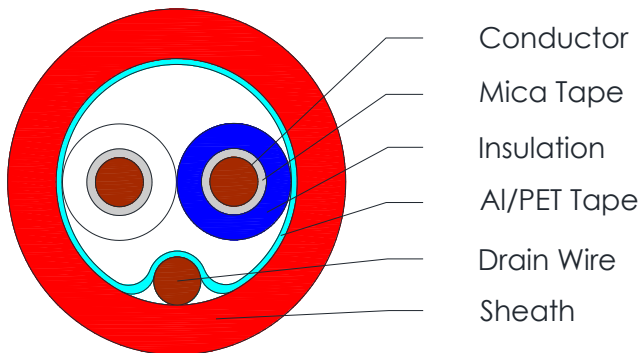


C5537, C5538, C5539, C5540, C5541, C5542, C5543, C5544, C5545

### Applications

Fire Resistant cable for Instrument signal Systems

### Cross Section Drawing



### Design

Unit	Properties
Conductor	Flexible Bare Copper wire
Wrapping Tape	Mica Tape
Insulation	XLPE
Screen	Aluminium/Polyester tape
Drain Wire	Solid Tinned Copper wire
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.

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**Physical Characteristics**

P/N	Number of Pairs	Conductor Construction (sq mm)	Drain wire cross section (sq mm)	Overall Diameter (mm)
C5537	1	1.50 (7*0.53)	0.5	8.10
C5538	2	1.50 (7*0.53)	0.5	12.80
C5539	3	1.50 (7*0.53)	0.5	14.00
C5540	4	1.50 (7*0.53)	0.5	15.00
C5541	5	1.50 (7*0.53)	0.5	16.80
C5542	6	1.50 (7*0.53)	0.5	18.70
C5543	7	1.50 (7*0.53)	0.5	19.60
C5544	8	1.50 (7*0.53)	0.5	21.50
C5545	10	1.50 (7*0.53)	0.5	25.60

**Color Scheme**

Pair No.	Color	
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Grey
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Grey

**Electrical Characteristics at 20°C**

Conductor Size(sqmm)	Conductor Construction	Max. DCR (Ohm/km)	Max. Operating Voltage (Vrms)
1.50	7*0.53	12.3	300/500

**Reference Standards**

EN 50290-2-27	BS 6387 CWZ
IEC 60228	IEC 60754-1&-2
IEC 60332-1	IEC 61034-1&-2
IEC 60331	RoHS Directives