

## Technical Information

### BS5308 Part 1

BS5308 Cable Part 1 Color Code  
BS5308 Cable Part 1 Ordering Code

### BS5308 Part 2

BS5308 Cable Part 2 Color Code  
BS5308 Cable Part 2 Ordering Code

### Instrument Cables to ESI 09-6

Colour Code and Ordering Code



~~7W~~

~~6W~~

## Instrument Cables BS 5308 Part 1 Colour code

61V

3DR	D	E	3DR	D	E		
1		Blac			26	Wite	ello
2		Blac	Green		2	ed	ello
3			Green		28	Orane	ello
		Blac	Bron		29	Blac	Grey
5			Bron		30		Grey
6	Green		Bron		31	Green	Grey
		Blac	Wite		32	Bron	Grey
8			Wite		33	Wite	Grey
9	Green		Wite		3	ed	Grey
10	Bron		Wite		35	Orane	Grey
11	Blac		ed		36	ello	Grey
12			ed		3	Blac	Violet
13	Green		ed		38		Violet
1	Bron		ed		39	Green	Violet
15	Wite		ed		0	Bron	Violet
16	Blac		Orane		1	Wite	Violet
1			Orane		2	ed	Violet
18	Green		Orane		3	Orane	Violet
19	Bron		Orane			ello	Violet
20	Wite		Orane		5	Grey	Violet
21	ed		Orane		6	Blac	Turquoise
22	Blac		ello				Turquoise
23			ello		8	Green	Turquoise
2	Green		ello		9	Bron	Turquoise
25	Bron		ello		50	Wite	Turquoise

Single and 2 pair are colour coded in clockwise order of rotation Blac Blue Green and Bron

(RUEDEOMLQWULSOERQJXUDWLRQSOBVBHFXMWERORXUERGBWWLPRIETXLU)

## Instrument Cables BS 5308 Part 1- PE Insulated

95B

39B

### E-2St Oerall Screen

5(6W8L0)QGLYLGXD06FU02YHDOO6FU0

5(6W6H2YHDOO6FU06W0U0PRXU0

5(6W8L0)6H0QGLYLGXD06FU02YHDOO6FU06W0U0PRXU0

81B

5(6W2YHDOO6FU0

5(6W8L0)QGLYLGXD06FU02YHDOO6FU0

5(6W6H2YHDOO6FU06W0U0PRXU0

5(6W8L0)6H0QGLYLGXD06FU02YHDOO6FU06W0U0PRXU0

2B

0

A-

0

**SIESCEE**

B-

0

**Snscreen OSOerall Screen**

**ISIndiidual Pair Screen**

**IOSIndiidual Pair Screen and Oerall Screen**

**Sire esistant nscreen**

**OSire esistant Oerall Screen**

**ISire esistant Indiidual Pair Screen**

□ )5,26)LU5MLMWDQWQGLYLGXD03DLU6FU02YHDOO6FU0

C-

50B

**115115/300V 300300/500V 5050/50V 600600/1000V**

D-

0

**2X XLPE PVC 2 PE**

□ #6)20RDP3(

- E- B**
- STAluminum / Polyester Tape**
- PIMPair Shield it Aluminum/Polyester Tape**
- PIC Pair Shield it Copper Braid**
- **W**
- **39&13(#6)**
- G- Armourin**
- SWSteel ire armour STAsteeel tape armour SWBsteel ire braid**
- DSTA double steel tape armour**
- ⊕ **W**
- PVC u -PVC**
- einforced PVC 2 PE**
- **#6**
- I- 1B**
- 2C2cores 3C3cores Ccores**
- **W**
- 15S15mm<sup>2</sup> 2525mm<sup>2</sup>**
- 191S39/021191 mm<sup>2</sup> 39/021mm**
- 2A2 AWGStrand**
- 2A16/022 AWG16/02mm**
- **W**
- 530811BS5308-1 Type1 530812BS5308-1 Type2 530813BS5308-1 Type3**
- 530821BS5308-2 Type1 530822BS5308-2 Type2**
- L- B**
- 1IEC60332-1 3CIEC60332-3C 3AIEC60332-3A**
- M- W**
- **(#6)**

# Instrumentation Cables

20

## 1 Bare or Tinned Copper

### 2 BS 6360/E 60228

Sie	Class 1	Class 2	Class 5	Class 6
05mm <sup>2</sup>	1/08mm	/03mm	16/02mm	28/015mm
05mm <sup>2</sup>		/03mm	2/02mm	2/015mm
10mm <sup>2</sup>	1/113mm	/0mm	32/02mm	56/015mm
15mm <sup>2</sup>		/053mm	30/025mm	8/015mm
25mm <sup>2</sup>		/06mm	50/025mm	10/015mm

3

1	3	7	2	2
05mm <sup>2</sup>	36	39	36	01
05mm <sup>2</sup>	25	26	28	26
10mm <sup>2</sup>	181	195	182	20
15mm <sup>2</sup>	121	133	122	13
25mm <sup>2</sup>	1	98	56	821

## 3 (1/3/16)/62

### Aluminum Tape/Copper Braid

## 5 Multicore/Multipair/Multitriple

## 6 (39&16)/62

### Steel Tape Amour/Steel Wire Amour

## 8

### IEC 60332-1 for lame etardant PVC Seat

- (R)ODP5W/DUGDQW39&1626KBWK
- (DUW)DUW/626KBWK
- (DUW)DUW/6)6KBWK/626KBWK
- 2)QGSGLQJRQGLIHW/62FRPSRXQG
- 7)SHDWXU)QGSGLQJRQGLIHW/62FRPSRXQG

### IEC 60331 for ire esistant Type

## Instrument Cables BS 5308 Part 2 Colour code

61W

3DR	D	B	3DR		D	B
1	Wite			26	ed	
2	Wite	Orane		2	ed	Orane
3	Wite	Green		28	ed	Green
	Wite	Bron		29	ed	Bron
5	Wite	Grey		30	ed	Grey
6	ed			31		
	ed	Orane		32		Orane
8	ed	Green		33		Green
9	ed	Bron		3		Bron
10	ed	Grey		35		Grey
11	Blac			36	ello	
12	Blac	Orane		3	ello	Orane
13	Blac	Green		38	ello	Green
1	Blac	Bron		39	ello	Bron
15	Blac	Grey		0	ello	Grey
16	ello			1	Wite	Orane
1	ello	Orane	2	Wite	Orane	Orane
18	ello	Green	3	Wite	Orane	Green
19	ello	Bron		Wite	Orane	Bron
20	ello	Grey	5	Wite	Orane	Grey
21	Wite		6	Orane	ed	
22	Wite	Orane		Orane	ed	Orane
23	Wite	Green	8	Orane	ed	Green
2	Wite	Bron	9	Orane	ed	Bron
25	Wite	Grey	50	Orane	ed	Grey

)}RUELEFRORXUBERUMWKBVWERORXULMWKEDVERORXU

**Sinle uad 2 pair are colour coded in cloctise order of rotation Blac Blue Green and Bron**

}QGLYLGXDOOMFUEBBSDLUVEDQDOVREBEGQWLBEBBQVRIDSRQMWBWDSEYBEOXBQGwhiteSDLUV  
)}RUEDEOMLQWULSOERQJXUDWLRQSOBVBHFXMWERORXUERG BWWLPRIBTXLU

## Instrument Cables BS 5308 Part 2- PVC Insulated

95B

39B

### E-St Overall Screen

5(6W3L0)QGLYLGXDO6FUQ2YHD006FUQ

5(6W612YHD006FUQ6WB1LUPRXU

5(6W3L0)61QGLYLGXDO6FUQ2YHD006FUQ6WB1LUPRXU

81B

5(6W2YHD006FUQ

5(6W3L0)QGLYLGXDO6FUQ2YHD006FUQ

5(6W612YHD006FUQ6WB1LUPRXU

5(6W3L0)61QGLYLGXDO6FUQ2YHD006FUQ6WB1LUPRXU

2B

10

A-

B

**SIESCEE**

B-

BS

**Snscreen OSOverall Screen ISIndiidual Pair Screen**

□ 26QGLYLGXDO3DLU6FUQ2YHD006FUQ)586)LU5MLMWDQW8QVFEUQ

**OSire esistant Overall Screen ISire esistant Indiidual Pair Screen**

□ )5,26)LU5MLMWDQW,QGLYLGXDO3DLU6FUQ2YHD006FUQ

C-

51B

**115115/300V 300300/500V**

**5050/50V 600600/1000V**

D-

W

**2XXLPE PVC 2PE**

□ #6221)RDP3(



- E- B**
- STAluminum/Polyester Tape**
- PIMPair Shielded it Aluminum/Polyester Tape**
- PICPair Shielded it Copper Screen**
- **W**
- **39&13(#62)**
- G- B**
- SWSteel Wire ArmourSTA Steel Tape Armour SWB Steel Wire Braid Armour**
- DSTA Double Steel Tape Armour**
- ⊕ **W**
- PVC u -PVC**
- einforced PVC 2 PE**
- **#6)**
- I- 1B**
- 2C2cores 3C3cores Ccores**
- **W**
- 15S15mm<sup>2</sup>2525mm<sup>2</sup>**
- 191S39/021191 mm<sup>2</sup> 39/021mm**
- 2A2 AWGStrand**
- 2A16/022 AWG16/02mm**
- **W**
- 530811BS5308-1 Type1 530812BS5308-1 Type2**
- 530821BS5308-2 Type1 530822BS5308-2 Type2**
- L- B**
- 1IEC60332-1 3CIEC 60332-3C 3AIEC60332-3A**
- M- W**
- **(#6)**

# Instrumentation Cables

20

## 1 Bare or Tinned Copper

2 BS 6360/E 60228

6	7	8	9	10
05mm <sup>2</sup>	1/08mm	/03mm	16/02mm	28/015mm
05mm <sup>2</sup>		/03mm	2/02mm	2/015mm
10mm <sup>2</sup>	1/113mm	/0mm	32/02mm	56/015mm
15mm <sup>2</sup>		/053mm	30/025mm	8/015mm
25mm <sup>2</sup>		/06mm	50/025mm	10/015mm

11

12	13	14	15	16
05mm <sup>2</sup>	36	39	36	01
05mm <sup>2</sup>	25	26	28	26
10mm <sup>2</sup>	181	195	182	20
15mm <sup>2</sup>	121	133	122	13
25mm <sup>2</sup>	1	98	56	821

17 39&73(16)/62

## 5 Aluminum Tape/Copper Braid

## 6 Multicore/Multipair/Multitrip

18 39&73(16)/62 39&73(16)/62

## 8 Steel Tape Amour/Steel Wire Amour

9

### IEC 60332-1 for lame etardant PVC

19 39&73(16)/62 39&73(16)/62

20 39&73(16)/62 39&73(16)/62

21 39&73(16)/62 39&73(16)/62

22 39&73(16)/62 39&73(16)/62

23 39&73(16)/62 39&73(16)/62

### IEC 60331 for fire resistant Type

## Multipair instrument cables ESI 09-6 Issue 5 and 6

To-pair cables are cabled in uad formation and colour coded as follows: Blue, Orange, Green and Brown

3DR	D	B	3DR	D	B
1	Blac		26	Wite	ello
2	Blac	Orane	2	Wite	Violet
3	Blac	Green	28		ed
	Blac	Bron	29		ello
5	Blac	Grey	30		Violet
6		Wite	31	Green	ed
		Orane	32	Green	ello
8		Green	33	Green	Violet
9		Bron	3	ed	Grey
10		Grey	35	ed	Orane
11	Orane	Wite	36	ed	ello
12	Orane	Green	3	ed	Bron
13	Orane	Bron	38	ed	Violet
1	Orane	Grey	39	Grey	ello
15	Green	Wite	0	Grey	Violet
16	Green	Bron	1	Orane	ello
1	Green	Grey	2	Orane	Violet
18	Bron	Wite	3	ello	Bron
19	Bron	Grey		ello	Violet
20	Grey	Wite	5	Bron	Violet
21	Blac	Wite	6	Turquoise	Blac
22	Blac	ed		Turquoise	
23	Blac	ello	8	Turquoise	ed
2	Blac	Violet	9	Turquoise	Orane
25	Wite	ed	50	Turquoise	ello

# Instrumentation Cables



To-pair cables are cabled in uad formation and colour coded as follos Wite red blue orane

3DR	D	B	3DR	D	B
1	Wite		11	Blac	
2	Wite	Orane	12	Blac	Orane
3	Wite	Green	13	Blac	Green
	Wite	Bron	1	Blac	Bron
5	Wite	Grey	15	Blac	Grey
6	ed		16	ello	
	ed	Orane	1	ello	Orane
8	ed	Green	18	ello	Green
9	ed	Bron	19	ello	Bron
10	ed	Grey	20	ello	Grey

&DEOMKDYLQJSDLUVDUBURGXFBLCQSDLUXQLWBFKXQLWLWKSDDLULGQWLFEDWLRQDVDERYHDFKER  
LVLGQWLBEQXPEHUXQQQLQJITURPXSURUGVDSOLBGLUFWOWRDLWVLELQGHWDSRUEDMSDUDWH

lonitudinal tape applied under a clear binder tape

## 2B

&&&()#70

A-

**SIESCEE**

B-

**Snscreen OSOerall Screen ISIndiidual Pair Screen**

(26) QGLYLXDO3DLU6FU82YHDOO6FU8(586)LU5MLWWDQW8QVFE8

**OSire esistant Oerall Screen ISire esistant Indiidual Pair Screen**

(5,26)LU5MLWWDQW(QGLYLXDO3DLU6FU82YHDOO6FU8

C-

**115115/300V 300300/500V**

**5050/50V 600600/1000V**

D-

**2XXLPE PVC 2PE**

#62#)RDP3

- E- B**
  - ST**Aluminum/Polyester Tape
  - PIM**Pair Shielded it Aluminum/Polyester Tape
  - PIC**Pair Shielded it Copper Screen
- **W**
- **39&13(#62)**
- G- B**
  - SW**Steel Wire Armour**STA** Steel Tape Armour **SWB** Steel Wire Braid Armour
  - DSTA** Double Steel Tape Armour
- ⊕ **W**
  - PVC u -PVC**
  - einforced PVC 2 PE**
- **#6)**
- I- 1**
  - 2C**2cores **3C**3cores **C**cores
- **W**
  - 15S**15mm**225**25mm**2**
  - 191S**39/021**191** mm**2** 39/021mm
  - 2A**2 AWG**Strand**
  - 2A**16/02**2** AWG**16/02**mm
- **W**
  - E965**ESI 09-5 Issue 5 **E966**ESI 09-6 Issue 6
- L- B**
  - 1****IEC**60332-1 **3C****IEC** 60332-3**C** **3A****IEC**60332-3**A**
- M- B**
- **(#6)**

# Instrumentation Cables

20

## 1 Bare or Tinned Copper

2 BS 6360/E 60228

6	7	8	9	10
05mm <sup>2</sup>	1/08mm	/03mm	16/02mm	28/015mm
05mm <sup>2</sup>		/03mm	2/02mm	2/015mm
10mm <sup>2</sup>	1/113mm	/0mm	32/02mm	56/015mm
15mm <sup>2</sup>		/053mm	30/025mm	8/015mm
25mm <sup>2</sup>		/06mm	50/025mm	10/015mm

3

1	2	3	4	5
05mm <sup>2</sup>	36	39	36	01
05mm <sup>2</sup>	25	26	28	26
10mm <sup>2</sup>	181	195	182	20
15mm <sup>2</sup>	121	133	122	13
25mm <sup>2</sup>	1	98	56	821

4 39&73(16)/62

## 5 Aluminum Tape/Copper Braid

## 6 Multicore/Multipair/Multitrip

7 39&73(16)/62 39&73(16)/62

## 8 Steel Tape Amour/Steel Wire Amour

9

### IEC 60332-1 for lame etardant PVC

10 (1&3IRU)ODP5W/DUGDQW39&73(16)/626KBWK

11 (1&3DUW3DUWIRU/626KBWK

12 (1&3DUW3DUW(6)6KBWK/626KBWK

13 2U0,QG880GLQJRQGLIIEW/62FRPSRXQG

14 7PSHDWXUHQG880GLQJRQGLIIEW/62FRPSRXQG

### IEC 60331 for fire resistant Type