



BS 5308 & PAS 5308 Instrumentation and Control Cables

BS 5308 Standard Colour Code

BS 5308-1						BS 5308-2						
Pair No.	a-wire	b-wire	Pair No.	a-wire	b-wire	Pair No.	a-wire	b-wire	Pair No.	a-wire	b-wire	
1	Black	Blue	26	White	Yellow	1	White	Blue	26	Red	Blue	Blue
2	Black	Green	27	Red	Yellow	2	White	Orange	27	Red	Blue	Orange
3	Blue	Green	28	Orange	Yellow	3	White	Green	28	Red	Blue	Green
4	Black	Brown	29	Black	Grey	4	White	Brown	29	Red	Blue	Brown
5	Blue	Brown	30	Blue	Grey	5	White	Grey	30	Red	Blue	Grey
6	Green	Brown	31	Green	Grey	6	Red	Blue	31	Blue	Black	Blue
7	Black	White	32	Brown	Grey	7	Red	Orange	32	Blue	Black	Orange
8	Blue	White	33	White	Grey	8	Red	Green	33	Blue	Black	Green
9	Green	White	34	Red	Grey	9	Red	Brown	34	Blue	Black	Brown
10	Brown	White	35	Orange	Grey	10	Red	Grey	35	Blue	Black	Grey
11	Black	Red	36	Yellow	Grey	11	Black	Blue	36	Yellow	Blue	Blue
12	Blue	Red	37	Black	Violet	12	Black	Orange	37	Yellow	Blue	Orange
13	Green	Red	38	Blue	Violet	13	Black	Green	38	Yellow	Blue	Green
14	Brown	Red	39	Green	Violet	14	Black	Brown	39	Yellow	Blue	Brown
15	White	Red	40	Brown	Violet	15	Black	Grey	40	Yellow	Blue	Grey
16	Black	Orange	41	White	Violet	16	Yellow	Blue	41	White	Orange	Blue
17	Blue	Orange	42	Red	Violet	17	Yellow	Orange	42	White	Orange	Orange
18	Green	Orange	43	Orange	Violet	18	Yellow	Green	43	White	Orange	Green
19	Brown	Orange	44	Yellow	Violet	19	Yellow	Brown	44	White	Orange	Brown
20	White	Orange	45	Grey	Violet	20	Yellow	Grey	45	White	Orange	Grey
21	Red	Orange	46	Black	Turquoise	21	White	Blue	46	Orange	Red	Blue
22	Black	Yellow	47	Blue	Turquoise	22	White	Blue	47	Orange	Red	Orange
23	Blue	Yellow	48	Green	Turquoise	23	White	Blue	48	Orange	Red	Green
24	Green	Yellow	49	Brown	Turquoise	24	White	Blue	49	Orange	Red	Brown
25	Brown	Yellow	50	White	Turquoise	25	White	Blue	50	Orange	Red	Grey

Single Quad (2 pair) are colour coded in clockwise order of rotation: Black, Blue, Green and Brown
Individually screened pairs can also be identified by means of a polyester tape over black and blue pairs

*For bi- coloured cores the first colour is the base colour Single Quad (2 pair) are colour coded in clockwise order of rotation: Black, Blue, Green and Brown Individually screened pairs can also be identified by means of a polyester tape over white and blue pairs

PAS 5308 Standard Colour Code

PAS 5308-1						PAS 5308-2						
Pair No.	a-wire	b-wire	Pair No.	a-wire	b-wire	Pair No.	a-wire	b-wire	Pair No.	a-wire	b-wire	
1	Black	Blue	26	White	Yellow	1	White	Blue	26	Red	Blue	Blue
2	Black	Green	27	Red	Yellow	2	White	Orange	27	Red	Blue	Orange
3	Blue	Green	28	Orange	Yellow	3	White	Green	28	Red	Blue	Green
4	Black	Brown	29	Black	Grey	4	White	Brown	29	Red	Blue	Brown
5	Blue	Brown	30	Blue	Grey	5	White	Grey	30	Red	Blue	Grey
6	Green	Brown	31	Green	Grey	6	Red	Blue	31	Blue	Black	Blue
7	Black	White	32	Brown	Grey	7	Red	Orange	32	Blue	Black	Orange
8	Blue	White	33	White	Grey	8	Red	Green	33	Blue	Black	Green
9	Green	White	34	Red	Grey	9	Red	Brown	34	Blue	Black	Brown
10	Brown	White	35	Orange	Grey	10	Red	Grey	35	Blue	Black	Grey



11	Black	Red	36	Yellow	Grey	11	Black	Blue	36	Yellow	Blue	Blue	
12	Blue	Red	37	Black	Violet	12	Black	Orange	37	Yellow	Blue	Orange	
13	Green	Red	38	Blue	Violet	13	Black	Green	38	Yellow	Blue	Green	
14	Brown	Red	39	Green	Violet	14	Black	Brown	39	Yellow	Blue	Brown	
15	White	Red	40	Brown	Violet	15	Black	Grey	40	Yellow	Blue	Grey	
16	Black	Orange	41	White	Violet	16	Yellow	Blue	41	White	Orange	Blue	
17	Blue	Orange	42	Red	Violet	17	Yellow	Orange	42	White	Orange	Orange	
18	Green	Orange	43	Orange	Violet	18	Yellow	Green	43	White	Orange	Green	
19	Brown	Orange	44	Yellow	Violet	19	Yellow	Brown	44	White	Orange	Brown	
20	White	Orange	45	Grey	Violet	20	Yellow	Grey	45	White	Orange	Grey	
21	Red	Orange	46	Black	Turquoise	21	White	Blue	Blue	46	Orange	Red	Blue
22	Black	Yellow	47	Blue	Turquoise	22	White	Blue	Orange	47	Orange	Red	Orange
23	Blue	Yellow	48	Green	Turquoise	23	White	Blue	Green	48	Orange	Red	Green
24	Green	Yellow	49	Brown	Turquoise	24	White	Blue	Brown	49	Orange	Red	Brown
25	Brown	Yellow	50	White	Turquoise	25	White	Blue	Grey	50	Orange	Red	Grey

*For bi-coloured cores the first colour is the base colour

Single Quad (2 pair) are colour coded in clockwise order of rotation: Black, Blue, Green and Brown

Unscreened pairs can also be identified by means of a polyester tape over black and white pairs or, on agreement between the customer and manufacturer, one black and one blue core. Each core shall also be identified through marking by inscription of a number on the core's insulation in accordance with BS EN 50334. Both cores in a pair shall be marked with the same number.

Individually screened pairs can also be identified by means of a polyester tape over black and blue pairs or, on agreement between the customer and manufacturer, one black and one white core. Each pair shall be covered in a numbered polyester film. The numbering shall be such that each pair is distinguishable from any other pairs in the cable. The distance between each number shall not be greater than 50 mm.

Single Quad (2 pair) are colour coded in clockwise order of rotation: Black, Blue, Green and Brown

Unscreened pairs can also be identified by each pair in the cable having one black and one blue core. Each core shall also be identified through marking by inscription of a number on the core's insulation in accordance with BS EN 50334. Both cores in a pair shall be marked with the same number.

Individually screened pairs can also be identified by each pair in the cable having one black and one blue core. Each pair shall be covered in a numbered polyester film. The numbering shall be such that each pair is distinguishable from any other pairs in the cable. The distance between each number shall not be greater than 50 mm.

For multicore cables

Up to 40 cores

All cores shall be yellow and numbered 1 to 40 with both printed numbers and written word, in black, e.g. core 10 would be yellow and identified by number "10, TEN" in black.

41 to 80 cores

All cores shall be black and numbered 1 to 40 with both printed numbers and written word, in a contrasting colour, e.g. core 50 would be coloured black and identified by number "10, TEN" in yellow or white.

