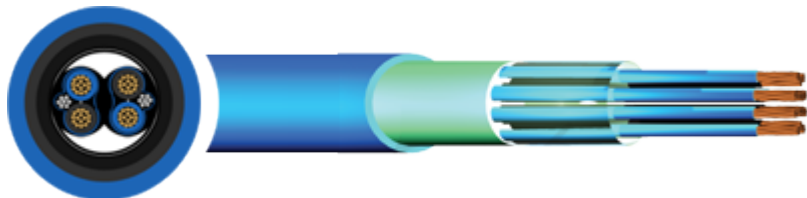


PAS5308 Cable Part1, Type1 Instrumentation Cable, Individually Screened LSZH



Manufactured to PAS5308, Instrumentation cables are intrinsically safe and designed for use in communication and instrumentation applications in and around process industries for transmission of signals in control systems. The signals can be analogue or digital from a variety of sensors and transducers.

Core Identification: Please refer to associated colour code chart in PDF download

Key Features



Voltage Rating
300/500 Volts



Flame Retardancy
BS EN 60332-3-24



Temperature Limits
Ambient Temperature: -20°C to +65°C

Construction

- **Conductor:** Plain Annealed Copper Conductors
- **Insulation:** Polyethylene (PE) laid up to form pairs Each pair individually screened with 0.5mm drain wire
- **Sheath:** Low smoke Zero Halogen (LSZH) to BS 7655
- **Tape:** Aluminium / Mylar tape screen complete with 0.5mm drain wire
- **Sheath Colour:** Blue or Black

Standards

- PAS5308, BS EN 50265, BS EN/IEC 60332-3-24, Flame propagation to BS4066 Pt1

Core Colours

[PAS5308 pair identification colour chart](#)

PAS5308 Cable Part1,Type1 Instrumentation Cable, Individually Screened LSZH - Dimensions

Reference	Conductor Size (mm ²)	No Of Pairs	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Brass A2 Gland
72716B*	0.5	30	30 Pair	16/0.2	31.3	1153	40
72715B*	0.5	20	20 Pair	16/0.2	26.3	753	40
72714B*	0.5	10	10 Pair	16/0.2	20.1	408	32
72713B*	0.5	5	5 Pair	16/0.2	14.2	253	25
72712B*	0.5	2	2 Pair	16/0.2	11	161	20S
7253B*	0.75	30 PR	30 Pair	24/0.2	34.5	1445	50S
71152B*	0.75	20	20 Pair	24/0.20	28.8	960	40
71151B*	0.75	10	10 Pair	24/0.20	21.7	550	32
71150B*	0.75	5	5 Pair	24/0.20	15.3	270	25
71149B*	0.75	2	2 Pair	24/0.20	11.8	190	20

PART 1 PAIR COLOURS

PAIR	A	B
1	Black	Blue
2	Black	Green
3	Blue	Green
4	Black	Brown
5	Blue	Brown
6	Green	Brown
7	Black	White
8	Blue	White
9	Green	White
10	Brown	White
11	Black	Red
12	Blue	Red
13	Green	Red
14	Brown	Red
15	White	Red
16	Black	Orange
17	Blue	Orange
18	Green	Orange
19	Brown	Orange
20	White	Orange
21	Red	Orange
22	Black	Yellow
23	Blue	Yellow
24	Green	Yellow
25	Brown	Yellow

PAIR	A	B
26	White	Yellow
27	Red	Yellow
28	Orange	Yellow
29	Black	Grey
30	Blue	Grey
31	Green	Grey
32	Brown	Grey
33	White	Grey
34	Red	Grey
35	Orange	Grey
36	Yellow	Grey
37	Black	Violet
38	Blue	Violet
39	Green	Violet
40	Brown	Violet
41	White	Violet
42	Red	Violet
43	Orange	Violet
44	Yellow	Violet
45	Grey	Violet
46	Black	Turquoise
47	Blue	Turquoise
48	Green	Turquoise
49	Brown	Turquoise
50	White	Turquoise

For individual screened pairs, identification will be Black/Blue numbered pairs.

Two pair collectively screened cables are in quad formation colour coded in rotation, Black, Blue, Green, Brown.

Single triple will be Blue , Black, Green

PART 1 ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA (MM ²)	MUTUAL CAPACITANCE pF/m			MINIMUM INSULATION RESISTANCE AT 20°C	MAXIMUM L/R RATIO
	Cables with Collective Screen Only	1 Pair, 2 Pairs, 1 Triple Collectively Screened	Cables with Individually Screened Pairs	mohms/km	μH/ohms
0.5	75	115	115	>5	25
0.75	75	115	115	>5	25
1	75	115	115	>5	25
1.5	85	120	120	>5	40

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

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