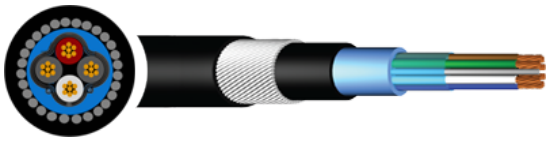
PAS5308 Part2,Type2 Instrumentation Cable Overall Screened - 0.5mm² to 2.5mm²



Description

PAS5308 Part 2 Type 2 construction, overall screened instrumentation cable. The cable features plain annealed copper conductors, PVC insulated, laid up to form pairs, collective aluminium/mylar foil tape screen complete with 0.5mm2 drain wire, PVC bedding, galvanised steel wire armour, PVC outer sheath reduced propagation. Blue or Black. Flame propagation to BS4066 Parts 1 and 3, BS EN 50265, BS EN 50266, IEC 60332-3-24.

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.

Key Features

Voltage Rating
300/500 Volts

Minimum Bending Radius
Fixed: 12 x overall diameter

Flame Retardancy
BS EN/IEC 60332-1
BS EN/IEC 60332-3-24

Temperature Limits
Fixed: -40°C to +70°C

Core Colours

PAS5308 pair identification colour chart

Standards

- PAS5308 / BS5308
- BS EN/IEC 60332-1-2
- BS EN/IEC 60228
- BS EN/IEC 60332-3-24

Construction

- **Conductor**: Under 1mm^2 Class 5 flexible copper conductor
  1mm^2 & above Class 2 stranded copper conductor
- **Insulation**: Polyvinyl Chloride (PVC) Laid up to form pairs
- **Screen**: Collective Aluminium/mylar tape with 0.5mm drain wire
- **Bedding**: Polyvinyl Chloride (PVC)
- **Armour**: Galvanised Steel Wire Armour (SWA)
- **Outer Sheath**: Polyvinyl Chloride (PVC)
- **Sheath Colour**: Blue or Black

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory
31196

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

CLEVELAND CABLE COMPANY

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

ecovadis

PAS5308 Part2,Type2 Instrumentation Cable Overall Screened - 0.5mm² to 2.5mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Pairs	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Nylon Cleat Size	Gland Size
7325B	0.5	1 Triple	16/0.20	11	259	0.5	20/16
7318B	0.5	1	16/0.20	10.8	242	0.5	20/16
7319B	0.5	2	16/0.20	11.7	288	0.5	20S
7320B	0.5	5	16/0.20	17.3	535	0.7	20
7321B	0.5	10	16/0.20	22.3	868	0.9	25
7322B	0.5	20	16/0.20	28.5	1466	1.2	32
7323B	0.5	30	16/0.20	33.3	1944	1.4	32
7324B	0.5	50	16/0.20	41.5	3360	1.8	50S
7362B	0.75	1 Triple	24/0.20	11.4	288	0.5	20S
7355B	0.75	1	24/0.20	11.1	270	0.5	20/16
7356B	0.75	2	24/0.20	12.3	330	0.5	20S
7357B	0.75	5	24/0.20	19.2	719	0.8	20
7358B	0.75	10	24/0.20	24.7	1150	1.0	25
7359B	0.75	20	24/0.20	30.7	1704	1.2	32
7360B	0.75	30	24/0.20	36.9	2570	1.6	40
7361B	0.75	50	24/0.20	46.4	4400	2.0	50S
7396B	1.5	1 Triple	7/0.53	12.6	357	0.5	20S
7389B	1.5	1	7/0.53	12.3	312	0.5	20S
7390B	1.5	2	7/0.53	13.7	397	0.6	20S
7391B	1.5	5	7/0.53	21.5	918	0.9	25
7392B	1.5	10	7/0.53	27.8	1466	1.1	32
7393B	1.5	20	7/0.53	35.1	2519	1.4	40
7394B	1.5	30	7/0.53	41.9	3352	1.8	50S
7395B	1.5	50	7/0.53	53.4	5310	TC9	63S
7413B	2.5	1 Triple	7/0.67	13.7	407	0.6	20S
7408B	2.5	1	7/0.67	13.1	395	0.6	20S
7409B	2.5	2	7/0.67	15.9	490	0.6	20
7410B	2.5	5	7/0.67	26.5	1430	1.1	20
7411B	2.5	10	7/0.67	35.1	2235	1.4	40
7412B	2.5	20	7/0.67	46.7	3935	2.0	50

PART 2 PAIR COLOURS

PAIR	A	B
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
11	Black	Blue
12	Black	Orange
13	Black	Green
14	Black	Brown
15	Black	Grey
16	Yellow	Blue
17	Yellow	Orange
18	Yellow	Green
19	Yellow	Brown
20	Yellow	Grey
21	White/Blue	Blue
22	White/Blue	Orange
23	White/Blue	Green
24	White/Blue	Brown
25	White/Blue	Grey

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

For individual screened pairs, identification will be White/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, White, Orange.

PART 2 ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA (MM^2)	MUTUAL CAPACITANCE pF/m		MINIMUM INSULATION RESISTANCE AT 20°C	MAXIMUM L/R RATIO
	Between Pairs or Adjacent Cores	Between any Core and Screen	mohms/km	µH/ohms
0.5	250	450	>25	25
0.75	250	450	>25	25
1	250	450	>25	25
1.5	250	450	>25	40

PART 2 CONDUCTOR RESISTANCE

NOMINAL CROSS SECTIONAL AREA (MM^2)	CONDUCTOR CLASS	MAXIMUM RESISTANCE CONDUCTOR AT 20^0C Ω/Km
0.5	5	39
0.75	5	26
1	1	18.1
1.5	2	12.1

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.

31196