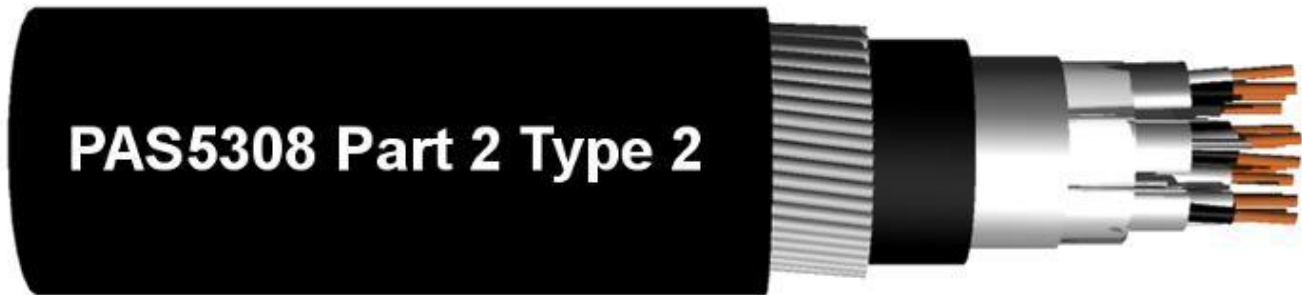


PAS5308 Part 2 Type 2 ICAM PVC

Steel wire armoured and flame retardant instrumentation cable



Application

PAS5308 cables are designed to carry communication and control signals in a variety of installation types including the petrochemical industry. The signals can be of analogue, data or voice type and from a variety of transducers such as pressure, proximity or microphone. Part 2 Type 2 cables are designed where a greater degree of mechanical protection is required namely outdoor / exposed or direct burial at suitable depth. Individually and collectively screened pairs are available within the range.

Construction

Conductor	: Class 1 solid, Class 2 stranded or Class 5 flexible copper conductor according to BS EN 60228.
Pairing	: Two insulated conductors uniformly twisted together.
Insulation	: PVC (Polyvinyl Chloride) Type TI1 acc. to BS EN 50363
Shielding	: AL/PET (Aluminium/Polyester Tape)
Drain wire	: Tinned copper
Bedding	: PVC (Polyvinyl Chloride) Type TM1 acc. to BS EN 50363
Armour	: Galvanized SWA (Steel Wire Armour)
Sheath	: PVC (Polyvinyl Chloride) Type TM1 acc. to BS EN 50363
Rated voltage	: 300/500 V

Outer Sheath Colours

Available colours : Blue or Black

Installation recommendations

Minimum Bending Radius Fixed	: 18xD
Operation Temp. Rating Fixed	: -30 °C to 70 °C
Operation temp. rating temporary	: -5 °C to 50 °C

Standards applied

BS 5308	BS EN 50363
BS EN 60228	BS EN/IEC 60332-1
BS 6234	BS EN/IEC 60332-3-24

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Range and Dimensions

Article Code	Number of Paires (P) / Triple (T)	Nominal Cross Sectional Area mm ²	Nominal Overall Diameter mm ²
P60A02P0.5BPPBK2	2P	0.5	15.3
P60A02P.75BPPBK2	2P	0.75	16.0
P60A02P1.0BPPBK2	2P	1	15.9
P60A02P1.5BPPBK2	2P	1.5	18.6
P60A02P2.5BPPBK2	2P	2.5	20.0
P60A03P0.5BPPBK2	3P	0.5	15.9
P60A03P.75BPPBK2	3P	0.75	16.6
P60A03P1.0BPPBK2	3P	1	16.8
P60A03P1.5BPPBK2	3P	1.5	20.1
P60A03P2.5BPPBK2	3P	2.5	23.5
P60A05P0.5BPPBK2	5P	0.5	19.1
P60A05P.75BPPBK2	5P	0.75	20.0
P60A05P1.0BPPBK2	5P	1	20.0
P60A05P1.5BPPBK2	5P	1.5	22.5
P60A05P2.5BPPBK2	5P	2.5	25.5
P60A10P0.5BPPBK2	10P	0.5	25.6
P60A10P.75BPPBK2	10P	0.75	27.0
P60A10P1.0BPPBK2	10P	1	27.0
P60A10P1.5BPPBK2	10P	1.5	30.7
P60A10P2.5BPPBK2	10P	2.5	33.9
P60A15P0.5BPPBK2	15P	0.5	28.7
P60A15P.75BPPBK2	15P	0.75	30.6
P60A15P1.0BPPBK2	15P	1	30.5
P60A15P1.5BPPBK2	15P	1.5	34.6
P60A15P2.5BPPBK2	15P	2.5	39.3
P60A20P0.5BPPBK2	20P	0.5	31.6
P60A20P.75BPPBK2	20P	0.75	33.8
P60A20P1.0BPPBK2	20P	1	33.7
P60A20P1.5BPPBK2	20P	1.5	39.3
P60A20P2.5BPPBK2	20P	2.5	43.7
P60A30P0.5BPPBK2	30P	0.5	36.4
P60A30P.75BPPBK2	30P	0.75	39.7
P60A30P1.0BPPBK2	30P	1	39.6
P60A30P1.5BPPBK2	30P	1.5	45.2
P60A30P2.5BPPBK2	30P	2.5	51.6

P = Pairs T= Triple Q = Quad

Conductors

Nominal Cross Sectional Area mm ²	Conductor Class	Maximum DC Resistance of Conductor at 20 °C Ohms/km
0.5	5	39
0.75	5	26
1	1	18.1
1.5	2	12.1
2.5	2	7.41

Electrical characteristics

Nominal Cross Sectional Area mm ²	Maximum Capacitance pF/m		Minimum Insulation Resistance at 20 °C Mohms/km	Maximum L/R Ration μH/ohms
	Between cores or adjacent cores	Between any core and screen		
0.5	250	450	>25	25
0.75	250	450	>25	25
1	250	450	>25	25
1.5	250	450	>25	40
2.5	250	450	>25	65

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Core Colours

Pair No.	A Wire	B Wire
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
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

NOTICE

Incore Cables has endeavored to ensure the accuracy of the data in this publication, however we cannot be liable for the consequences of errors or omissions. All data is subject to change without notice. The installer and/or user assumes all liability for the consequences of the installation and/or use of any of our products in contravention of any applicable law, regulation or code.

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