

PAS/BS 5308 CAM/IAM PART 1 TYPE 1 INSTRUMENTATION CABLE



Instrumentation cables, manufactured to PAS5308 standards, renowned for their reliability in communication and instrumentation applications within process industries. These cables transmit analogue or digital signals from various sensors and transducers and are designed with insulated and sheathed configurations, complying with BS5308 and PAS5308 standards.

Primarily used for indoor installations in industrial process plants and for data and voice transmission services, these cables also serve for interconnecting electrical equipment and instruments, especially in process plants. Widely utilized in the petrochemical industry and other industrial sectors, they come with collective aluminium tape screening or individual and collective aluminium tape screens to prevent electrical interference and crosstalk.

While commonly known as BS5308 cables, they are now manufactured to the replacement standard PAS5308, meeting modern industry standards for safety and performance.

CONDUCTOR	Plain Copper
STRANDING	See Spec. Table
INSULATION	PE
INDIVIDUAL SCREEN	Individual Aluminium Mylar
COLLECTIVE SCREEN	Collective Aluminium Mylar
OUTERSHEATH	PVC
OUTERSHEATH COLOUR	Black, Blue
RATED VOLTAGE	500V
CORE IDENTIFICATION	Black & Blue numbered pairs
MINIMUM BENDING RADIUS	5 X OD
OPERATING TEMPERATURE	15C to +65C
STANDARDS	BS5308 ; PE BS6234 ; BS EN 60332-3-Cat C

SPECIFICATION DATA

BATT Part No	Pairs (uds)	Size (mm)	Conductor Class	Colour	Radial thickness of insulation (mm)	Radial thickness of Inner Sheath (mm)	Ø Over Inner Sheath (mm)	Ø of Amrou Wire (Nom.) (mm)	RT of Outer Sheath (Nom.) (mm)	Overall Diamter (mm)	Weight (KG/KM)
85297	2	0.5	5	Black	0.6	-	-	-	0.9	9.78	105
85295	2	0.5	5	Blue	0.6	-	-	-	0.9	9.78	105
85242	2	0.75	5	Black	0.6	-	-	-	0.9	10.46	120
85241	2	0.75	5	Blue	0.6	-	-	-	0.9	10.46	120
86640	2	1.0	1	Black	0.6	-	-	-	0.9	10.46	129
85170	2	1.0	1	Blue	0.6	-	-	-	0.9	10.46	129
85412	2	1.5	2	Black	0.6	-	-	-	1.0	12.19	170
85405	2	1.5	2	Blue	0.6	-	-	-	1.0	12.19	170
85298	3	0.5	5	Blue	0.6	-	-	-	0.9	10.45	131
85041	5	0.5	5	Black	0.6	-	-	-	1.0	12.8	198
85042	5	0.5	5	Blue	0.6	-	-	-	1.0	12.8	198
85310	5	0.75	5	Black	0.6	-	-	-	1.0	13.72	234
85097	5	0.75	5	Black	0.6	-	-	-	1.0	13.72	234
85387	5	1.5	2	Black	0.6	-	-	-	1.1	15.99	336
85413	5	1.5	2	Blue	0.6	-	-	-	1.1	15.99	336
85389	10	0.5	5	Black	0.6	-	-	-	1.2	17.26	345
85048	10	0.5	5	Blue	0.6	-	-	-	1.2	17.26	345
85394	10	0.75	5	Black	0.6	-	-	-	1.2	18.54	412
85624	10	0.75	5	Blue	0.6	-	-	-	1.2	18.54	412
85285	10	1.5	2	Black	0.6	-	-	-	1.4	21.82	613
85051	15	0.5	5	Blue	0.6	-	-	-	1.3	20.06	488
85390	20	0.5	5	Black	0.6	-	-	-	1.4	22.91	634
85056	20	0.5	5	Blue	0.6	-	-	-	1.4	22.91	634
85536	20	0.75	5	Black	0.6	-	-	-	1.5	24.85	779
85102	20	0.75	5	Blue	0.6	-	-	-	1.5	24.85	779
85059	30	0.5	5	Black	0.6	-	-	-	1.6	27.94	930
85057	30	0.5	5	Blue	0.6	-	-	-	1.6	27.94	930
85537	30	0.75	5	Black	0.6	-	-	-	1.6	30.07	1124

The information in this datasheet is for guidance only and subject to change without liability. Images provided are representations; actual cable dimensions may vary due to manufacturing tolerances.

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