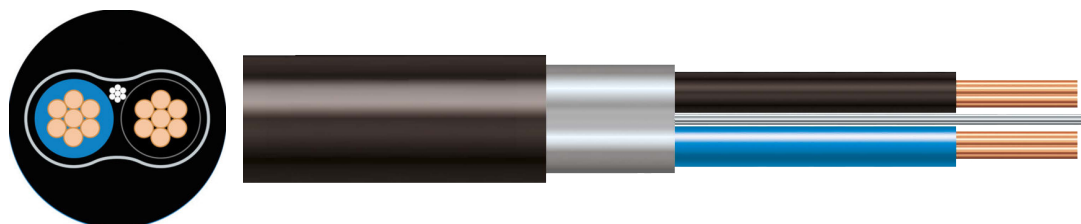


PAS/BS 5308 CAM PART 2 TYPE 1 INSTRUMENTATION CABLE



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
INSULATION	PVC
COLLECTIVE SCREEN	Collective Aluminium Mylar
OUTERSHEATH	PVC
OUTERSHEATH COLOUR	Black, Blue
RATED VOLTAGE	500V
CORE IDENTIFICATION	According to BS5308 part 2
OPERATING TEMPERATURE	70°C
STANDARDS	BS/PAS 5308, EN 60228

SPECIFICATION DATA

ELECTRICAL CHARACTERISTICS

Nominal Scross Sectional Area mm	Mutual Capacitance pF/m Between Pairs or Adjacent Cores	Mutual Capacitance pF/m Between any Core and Screen	Minimum Insulation Resistance at 20°C mohms/km	Maximum L/R Ratio 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
2.5	250	450	>25	65

CONDUCTORS

Nominal Cross Sectional Area mm	Conductor Class	Maximum DC Resistance of Conductor at 20°C ohms/km
0.5	5	39
0.75	5	36
1	1	18.1
1.5	2	12.1
2.5	2	7.41

DIMENSIONS

BATT Part No	No of Pairs/Triple	Nominal Cross Sectional Area mm	Approx overall diameter mm
85093	1 Pair	0.5	6.1
85066	1 Pair	0.75	6.5
85148	1 Pair	1.5	7.4
86937	2 Pair	0.5	6.3
85076	2 Pair	0.75	7.4
85258	2 Pair	1.5	9.7
85179	3 Pair	0.75	10.6
85202	5 Pair	0.5	13.1
85515	5 Pair	0.75	13.1
85488	5 Pair	1.5	16.4
85606	10 Pair	0.5	16
85393	10 Pair	0.75	17.5
85617	10 Pair	1.5	21
85392	20 Pair	0.75	21
85396	30 Pair	0.75	30.1

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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