

## PAS/BS 5308 CAM/IAM PART 1 TYPE 2 MGT INSTRUMENTATION CABLE



Our instrumentation cables, manufactured to PAS5308 standards, ensure safety and reliability for communication and instrumentation applications in process industries, transmitting analogue or digital signals from various sensors and transducers. These cables, featuring steel wire armour (SWA), provide exceptional protection in aggressive environments.

Equipped with Mica glass tape, our cables provide enhanced fire protection, making them ideal for applications where fire safety is paramount.

Designed for indoor and outdoor installations in industrial process plants and for data and voice transmission services, they are also used to interconnect electrical equipment and instruments, particularly in process plants. These cables are widely utilized throughout the petroleum industry.

Additionally, the next lot of cables feature Low Smoke Zero Halogen sheathing, ensuring safety and minimal environmental impact in case of fire.

Type 2 armoured cables are suitable for direct burial installations.

<b>CONDUCTOR</b>	Plain Copper
<b>INSULATION</b>	MGT+XLPE
<b>INDIVIDUAL SCREEN</b>	Individual Aluminium Mylar
<b>COLLECTIVE SCREEN</b>	Collective Aluminium Mylar
<b>BEDDING</b>	LSZH
<b>ARMOUR</b>	Steel Wire Armour
<b>OUTERSHEATH</b>	LSZH
<b>OUTERSHEATH COLOUR</b>	Black, Blue
<b>RATED VOLTAGE</b>	500V
<b>CORE IDENTIFICATION</b>	According to BS5308 Part 1.
<b>OPERATING TEMPERATURE</b>	90°C
<b>STANDARDS</b>	BS/PAS 5308, EN 60228

# SPECIFICATION DATA

## ELECTRICAL CHARACTERISTICS

Nominal Cross Sectional Area mm	Maximum Mutual Capacitance pF/m - Cables with Individually Screened Pairs	Minimum Insulation Resistance at 20°C mohms/km	Maximum L/R Ratio µH/ohms
0.5	115	>5	25
0.75	115	>5	25
1	115	>5	25
1.5	120	>5	40
2.5	120	>5	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	26
1	1	18.1
1.5	2	12.1
2.5	2	7.41

## DIMENSIONS

BATT Part No	No. of Pairs	Nominal Cross Sectional Area mm	Approx overall diameter
86779	1 Pair	0.75	12
85712	1 Pair	1	12.7
86708	1 Pair	1.5	13.2
85918	1 Pair	2.5	14.5
86780	1 Triple	0.75	12.7
86782	1 Triple	1.5	14
86783	2 Pair	0.75	13.7
86709	2 Pair	1.5	15
86001	5 Pair	0.75	21.4
85660	5 Pair	1.5	23.9
86002	10 Pair	0.75	27.7
85665	10 Pair	1	22.3
86281	10 Pair	1.5	31.5
86015	20 Pair	0.75	-
85666	20 Pair	1	36

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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