



BS5308 Cable Part 2 Type 1 CAM PVC

Applications:	BS5308 PVC instrumentation cable. Generally used within industrial process plants and for data & voice transmission services. Also used for the interconnection of electrical equipment and instruments, particularly in and around process plants, where transducer generated signals are transmitted through marshalled circuits to panels, controllers and associated devices
Conductors:	<p>Part 2 cables are common to the chemical and petrochemical industries</p> <p>Type 1 unarmoured cables are generally for indoor applications</p> <p>0.5sqmm & 0.75sqmm class 5 Flexible copper 1.0sqmm class 1 solid copper 1.5sqmm & 2.5sqmm class 2 stranded copper</p>
Insulation:	PVC (Polyvinyl chloride) to IEC 60502
Core identification:	See link in technical information
Screen:	CAM (Collective aluminium mylar)
Sheath/Jacket:	PVC (Polyvinyl-Chloride)
Colour:	Black or Blue
Voltage:	300/500v
Temperature range:	Operating -40 to +65°C Installation 0 to 50°C
Bending Radius:	5 x overall diameter
Standards:	BS5308 Part 2 ,Insulated cables, instrumentation, PVC



Electrical Characteristics

Conductor size	0.5mm ² (16/.2)	0.75mm ² (24/.2)	1.00mm ² (1/1.13)	1.5mm ² (7/0.53)
Mutual Capacitance:				
a. Pair or adjacent cores	250	250	250	250
Conductor resistance: Max resistance: Max dc resistance at 20°C – ohms/Km	39.7	26.5	18.4	12.3
L/R ratio (maximum value) – microH/ohm	25	25	25	40

BS5308 Part 1 Type 1 Collectively screened unarmoured

Conductor size (mm)	Nominal dimensions (mm), Weights and Gland sizes							
	No of Pairs	1	2	5	10	15	20	30
16/0.20 (0.5mm ²)	BATT part no Blue	85093	85363	85202	85606	-	-	-
	BATT part no Black	85608	85364	85024	85616	-	85615	-
	Overall Diameter	7	7.9	13.1	17.2	19.8	22.3	26.9
	Weight Kg/KM	50	72	170	290	390	500	750
	Gland A2 /Size	20ss	20ss	20	25	32	32	40
	Gland part no	88347	88347	88360	8862	88363	88363	88364
24/0.20 (0.75mm ²) Generally to BS5308	BATT part no Blue	85066	85076	85515	85393	-	85392	-
	BATT part no Black	85067	85077	85078	85080	-	85090	85380
	Overall Diameter	7.3	8.3	14.3	18.7	21.4	24.5	29.5
	Weight Kg/KM	60	100	210	350	500	750	930
	Gland A2 /Size	20ss	20s	25	25	32	32	40
	Gland part no	88347	88348	88362	88362	88363	88363	88364
7/0.53 (1.5mm ²)	BATT part no Blue	85148	85258	85488	85617	-	-	-
	BATT part no Black	85138	85149	85166	85168	-	85169	-
	Overall Diameter	8.3	9.7	16.4	20.6	25.2	28.5	34.3
	Weight Kg/KM	90	140	330	580	820	1100	1600
	Gland A2 /Size	25	20s	25	32	32	40	50s
	Gland part no	88362	88348	88362	88363	88363	88364	88365