



BS5308 Part 2 Type 2 IAM CAM SWA PVC

Applications:

BS5308 PVC insulated armoured instrumentation cable, part 2, type 2
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

Part 2 cables are common to the chemical and petrochemical industries

Type 2 armoured cables are suitable for burial underground

Conductors:

0.5sqmm & 0.75sqmm class 5 Flexible copper, 1.5sqmm & 2.5sqmm class 2 stranded copper

Insulation:

PVC (Polyvinyl chloride) to IEC 60502

Core identification:

Please see colour code link in technical information

Armour/Protection:

SWA (Single wire armour)

Screen:

IAM (Individual aluminium mylar) & CAM (Collective aluminium mylar)

Sheath/Jacket:

LSZH (Low smoke zero halogen)

Colour:

Black or Blue

Voltage:

300/500v

Temperature range:

Operating -40 to +65°C Installation 0 to 50°C

Bending Radius:

6 x overall diameter

Standards:

BS5308 Part 1 Insulated cables, instrumentation, PE



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 2 Type 2 Collectively Screened and Armoured

Conductor size (mm)	Nominal dimensions (mm), Weights and Gland sizes									
	No of Pairs	1	2	5	10	15	20	30	50	
16/0.20 (0.5mm²)	BATT part no Blue	85365	85026	85308	85235	-	85366	-	-	
	BATT part no Black	85406	85368	85369	75270	-	85371	85372	-	
	Under Armour	7	7.9	13.1	17.2	19.8	22.3	26.9	33.9	
	Over Armour	8.8	9.7	14.9	19.7	23	25.5	30.1	37.9	
	Overall Diameter	11.4	12.3	17.9	22.9	26.4	29.1	33.9	42.1	
	Weight Kg/KM	240	290	510	880	1200	1500	1900	2900	
	Gland CW /Size	20s	20s	20	25	25	32	40	50s	
	Gland part no	88591	88591	88592	88593	88593	88594	88893	88919	
	24/0.20 (0.75mm²) Generally to BS5308	BATT part no Blue	85130	85627	85135	85136	-	85137	85218	85588
		BATT part no Black	85131	85134	85036	85151	-	85180	85222	85432
Under Armour		7.3	8.3	14.3	18.7	21.4	24.5	29.5	37.4	
Over Armour		9.1	10.1	16.8	21.9	24.6	27.7	33.5	41.4	
Overall Diameter		11.7	12.9	19.8	25.3	28.2	31.3	37.5	45.8	
Weight Kg/KM		270	310	710	1200	1500	1700	2500	3500	
Gland CW/Size		20s	20s	25	32	32	32	40	50	
Gland part no		88591	88591	88593	88594	88594	88594	88893	88894	
7/0.53 (1.5mm²)		BATT part no Blue	85127	85275	85278	85213	-	85129	85248	85588
		BATT part no Black	85126	85210	85266	85247	-	85128	85276	-
	Under Armour	8.3	9.7	16.4	21.6	25.2	28.5	34.3	43.6	
	Over Armour	10.1	11.5	18.9	24.8	28.4	31.7	38.3	48.6	
	Overall Diameter	12.9	14.3	22.1	28.4	32.2	35.7	42.5	53.4	
	Weight Kg/KM	300	390	870	1500	1900	2400	3300	5200	
	Gland CW/Size	20s	20s	25	32	32	40	40	63s	
	Gland part no	88591	88591	88593	88594	88594	88893	88893	88918	

BS5308 Part 2 Type 2 Individual and Collective Screen Armoured

Conductor size (mm)	Nominal dimensions (mm), Weights and Gland sizes									
	No of Pairs	1	2	5	10	15	20	30	50	
16/0.20 (0.5mm²)	BATT part no Blue	-	-	-	-	-	-	-	-	
	BATT part no Black	-	-	85592	-	-	-	-	-	
	Under Armour	-	12	15.2	21.1	24.5	27.3	32.3	41.7	
	Over Armour	-	13.8	17.7	24.3	27.7	30.5	36.3	46.7	
	Overall Diameter	-	16.8	20.9	27.9	31.3	34.3	40.5	51.5	
	Weight Kg/KM	-	450	750	1300	1500	1900	2700	4200	
	Gland CW /Size	-	-	25	-	-	-	-	-	
	Gland part no	-	-	88593	-	-	-	-	-	
	24/0.20 (0.75mm²) Generally to BS5308	BATT part no Blue	-	85273	85603	85269	-	85172	-	-
		BATT part no Black	-	85577	85526	85388	-	85527	-	-
Under Armour		-	12.8	16.3	22.7	26.4	29.8	35.5	45	
Over Armour		-	14.6	18.8	25.9	29.6	33.8	39.5	50	
Overall Diameter		-	17.6	22	29.5	33.4	37.8	43.9	55	
Weight Kg/KM		-	490	801	1800	1900	2200	3500	5000	
Gland CW/Size		-	20	25	32	-	50s	-	-	
Gland part no		-	88592	88593	88594	-	88919	-	-	
7/0.53 (1.5mm²)		BATT part no Blue	-	-	-	-	-	-	-	-
		BATT part no Black	-	85334	85335	85338	-	85339	-	-
	Under Armour	-	14.7	18.8	26.5	30.8	34.4	41	52.2	
	Over Armour	-	17.2	22	29.7	34.8	38.4	46	56.7	
	Overall Diameter	-	20.4	25.4	33.5	38.8	42.6	50.8	62.6	
	Weight Kg/KM	-	660	1000	1700	2100	2800	3600	5200	
	Gland CW/Size	-	-	32	40	-	50s	-	-	
	Gland part no	-	-	88594	88893	-	88919	-	-	