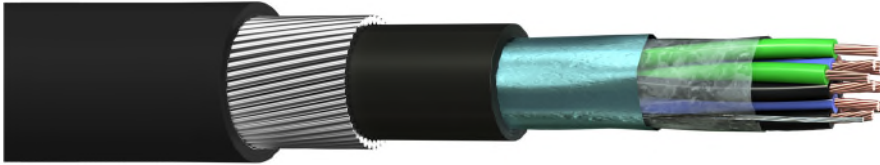


**Description:** BS 5308 Part 2, Type 2, Collective Aluminium Tape (CAT), Steel Wire Armoured (SWA) PVC Black Sheath.



### Construction

Conductor Material : Plain Annealed Copper  
 Stranding : 0.5mm<sup>2</sup> (16/0.2mm), 0.75mm<sup>2</sup> (24/0.2mm)  
 1.5mm<sup>2</sup> (7/0.53mm)  
 Insulation Material : PVC  
 Overall Screen : Aluminium Foil (100% Coverage)  
 Drain Wire : Tinned Copper, 0.5mm<sup>2</sup> (16/0.2mm)  
 Inner Sheath : PVC, Black  
 Armour : Galvanised Steel Wire Armour (SWA)  
 Sheath Material : PVC, Black  
 Core Identification : See Attached

### Electrical Characteristics

Conductor Size		0.5mm <sup>2</sup> (16/0.2)	0.75mm <sup>2</sup> (24/0.2)	1.5mm <sup>2</sup> (7/0.53)
Conductor Resistance @ 20°C		39.7 Ω/km	26.5 Ω/km	12.3 Ω/km
Insulation Resistance		5000 MΩ x km		
Mutual Capacitance @ 0.8 resp. 1 kHz	1 & 2 Pair/1 Quad	115 pF/m	115 pF/m	120 pF/m
	5 Pair & Above	75 pF/m	75 pF/m	85 pF/m
Capacitance Unbalance @ 1 kHz		250 pF/250m		
L/R Ratio		25 μH/Ω	25 μH/Ω	40 μH/Ω
Voltage Rating		300/500V		
Test Voltage		1000V		

### Physical Characteristics

Overall Diameter : See Table  
 Bend Radius : 6 x OD  
 Temperature Rating : +70°C  
 Weight : See Table

### Standards

RoHS3 Compliant : Yes  
 Flame Retardant : BS EN 60332-1-2  
 CE Compliant : LVD (2014/35/EU)

Part No.	Pairs. x mm <sup>2</sup>	Weight kg/km	O/D mm	Part No.	Pairs. x mm <sup>2</sup>	Weight kg/km	O/D mm
5322005010	1 x 2 x 0.5	237	11.2	5322007100	10 x 2 x 0.75	1170	25.0
5322005020	2 x 2 x 0.5	287	12.1	5322007200	20 x 2 x 0.75	1725	31.0
5322005050	5 x 2 x 0.5	530	17.7	5322015010	1 x 2 x 1.5	320	12.7
5322005100	10 x 2 x 0.5	917	22.7	5322015020	2 x 2 x 1.5	413	14.1
5322005200	20 x 2 x 0.5	1550	28.9	5322015050	5 x 2 x 1.5	910	21.9
5322007010	1 x 2 x 0.75	260	11.4	5322015100	10 x 2 x 1.5	1383	28.2
5322007020	2 x 2 x 0.75	310	12.6	5322015200	20 x 2 x 1.5	2400	35.8
5322007050	5 x 2 x 0.75	675	19.0				

**Description:** BS 5308 Part 2, Type 2, Collective Aluminium Tape (CAT), Steel Wire Armoured (SWA) PVC Black Sheath.

### BS 5308 Part 2 Colour Code

Pair	A-Wire	B-Wire
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Grey
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Grey
11	Black	Blue
12	Black	Orange
13	Black	Green
14	Black	Brown
15	Black	Grey
16	Yellow	Blue
17	Yellow	Orange
18	Yellow	Green
19	Yellow	Brown
20	Yellow	Grey

Whilst commonly referred to as BS 5308 cables these cable types are now generally manufactured to the replacement standard PAS 5308

Shoal Group endeavours to ensure all information on the website, specification sheets and all other technical information is accurate. Actual cable dimensions may vary due to different manufacturer techniques, tolerances and production processes. If you have a specific requirement please specify this at time of enquiry.

The information is for guidance only and it is subject to change without notice or liability.