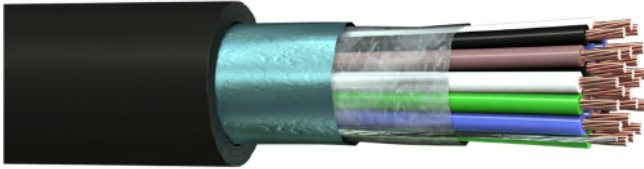


Description: BS 5308 Part 1, Type 1, Collective Aluminium Tape (CAT), PVC Black Sheath.



Construction

Conductor Material : Plain Annealed Copper
 Stranding : 0.5mm² (16/0.2mm), 0.75mm² (24/0.2mm)
 1.5mm² (7/0.53mm)
 Insulation Material : Polyethylene (PE)
 Overall Screen : Aluminium Foil (100% Coverage)
 Drain Wire : Tinned Copper, 0.5mm² (16/0.2mm)
 Sheath Material : PVC
 Core Identification : See Attached

Electrical Characteristics

Conductor Size		0.5mm ² (16/0.2)	0.75mm ² (24/0.2)	1.5mm ² (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 ²	Weight kg/km	O/D mm	Part No.	Pairs. x mm ²	Weight kg/km	O/D mm
5311005010	1 x 2 x 0.5	54	6.8	5311007100	10 x 2 x 0.75	430	18.4
5311005020	2 x 2 x 0.5	75	7.7	5311007200	20 x 2 x 0.75	740	24.2
5311005050	5 x 2 x 0.5	187	12.9	5311015010	1 x 2 x 1.5	84	7.8
5311005100	10 x 2 x 0.5	310	17.0	5311015020	2 x 2 x 1.5	129	9.1
5311005200	20 x 2 x 0.5	527	22.1	5311015050	5 x 2 x 1.5	310	15.5
5311007010	1 x 2 x 0.75	73	7.0	5311015100	10 x 2 x 1.5	570	20.3
5311007020	2 x 2 x 0.75	105	8.0	5311015200	20 x 2 x 1.5	1043	26.9
5311007050	5 x 2 x 0.75	255	14.0				

Description: BS 5308 Part 1, Type 1, Collective Aluminium Tape (CAT), PVC Black Sheath.

BS 5308 Part 1 Colour Code

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

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.