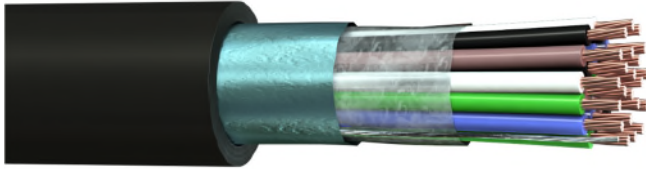


Description: BS 5308 Part 1, Type 1, Collective Aluminium Tape (CAT), Low Smoke Halogen Free (LSHF) Black Sheath.



Construction

Conductor Material : Plain Annealed Copper
 Stranding : 0.5mm² (16/0.2mm), 0.75mm² (24/0.2mm)
 1.5mm² (7/0.53mm)
 Insulation Material : Cross-Linked Polyethylene (XLPE)
 Overall Screen : Aluminium Foil (100% Coverage)
 Drain Wire : Tinned Copper, 0.5mm² (16/0.2mm)
 Sheath Material : Low Smoke Halogen Free, Black (LSHF)
 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 60332-3-22A
 Smoke Emissions : BS EN 61034-2
 Halogen Emissions : BS EN 60754-1&2
 CE Compliant : LVD (2014/35/EU), CPR (305/2011)
 CPR Classification : Eca (EN50575:2014+A1:2016)

Part No.	Pairs. x mm ²	Weight kg/km	O/D mm	Part No.	Pairs. x mm ²	Weight kg/km	O/D mm
5311O05010H-E00	1 x 2 x 0.5	45	6.2	5311O07100H-E00	10 x 2 x 0.75	325	18.4
5311O05020H-E00	2 x 2 x 0.5	60	7.6	5311O07200H-E00	20 x 2 x 0.75	595	24.4
5311O05050H-E00	5 x 2 x 0.5	145	12.4	5311O15010H-E00	1 x 2 x 1.5	70	7.5
5311O05100H-E00	10 x 2 x 0.5	245	16.5	5311O15020H-E00	2 x 2 x 1.5	120	9.3
5311O05200H-E00	20 x 2 x 0.5	345	21.7	5311O15050H-E00	5 x 2 x 1.5	280	15.6
5311O07010H-E00	1 x 2 x 0.75	50	6.7	5311O15100H-E00	10 x 2 x 1.5	515	20.9
5311O07020H-E00	2 x 2 x 0.75	75	8.4	5311O15200H-E00	20 x 2 x 1.5	940	27.8
5311O07050H-E00	5 x 2 x 0.75	185	13.8				

Description: BS 5308 Part 1, Type 1, Collective Aluminium Tape (CAT), Low Smoke Halogen Free (LSHF) 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.