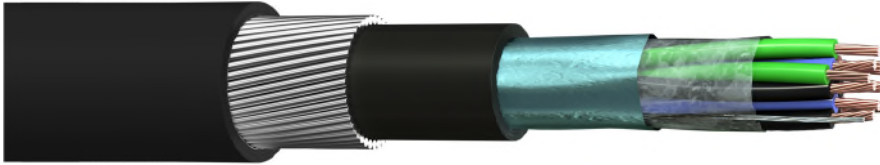


Description: BS 5308 Part 1, Type 2, Collective Aluminium Tape (CAT), Steel Wire Armoured (SWA) Low Smoke Halogen Free (LSHF) Black Sheath.



Construction

Conductor Material	: Plain Annealed Copper
Stranding	: 0.5mm ² (16/0.2mm), 0.75mm ² (24/0.2mm) 1.5mm ² (7/0.53mm)
Insulation Material	: Cross-Linked Polyethylene (XLPE)
Overall Screen	: Aluminium Foil (100% Coverage)
Drain Wire	: Tinned Copper, 0.5mm ² (16/0.2mm)
Inner Sheath	: Low Smoke Halogen Free (LSHF), Black
Armour	: Galvanised Steel Wire Armour (SWA)
Sheath Material	: Low Smoke Halogen Free (LSHF), Black
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
5312005010H-E00	1 x 2 x 0.5	237	11.2	5312007100H-E00	10 x 2 x 0.75	1170	25.0
5312005020H-E00	2 x 2 x 0.5	287	12.1	5312007200H-E00	20 x 2 x 0.75	1725	31.0
5312005050H-E00	5 x 2 x 0.5	530	17.7	5312015010H-E00	1 x 2 x 1.5	320	12.7
5312005100H-E00	10 x 2 x 0.5	917	22.7	5312015020H-E00	2 x 2 x 1.5	413	14.1
5312005200H-E00	20 x 2 x 0.5	1550	28.9	5312015050H-E00	5 x 2 x 1.5	910	21.9
5312007010H-E00	1 x 2 x 0.75	260	11.4	5312015100H-E00	10 x 2 x 1.5	1383	28.2
5312007020H-E00	2 x 2 x 0.75	310	12.6	5312015200H-E00	20 x 2 x 1.5	2400	35.8
5312007050H-E00	5 x 2 x 0.75	675	19.0				

Description: BS 5308 Part 1, Type 2, Collective Aluminium Tape (CAT), Steel Wire Armoured (SWA) 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.