

Description: BS 5308 Part 2, Type 1, Individually & Collective Aluminium Tape (ICAT), 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 : PVC
 Drain Wire : Tinned Copper, 0.5mm² (16/0.2mm), Each Pair
 Individual Screen : Aluminium Foil, (100% Coverage) Each Pair
 Drain Wire : Tinned Copper, 0.5mm² (16/0.2mm)
 Overall Screen : Aluminium Foil (100% Coverage)
 Sheath Material : PVC, 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	2 Pair & Above	115 pF/m	115 pF/m	120 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*
5321I05020	2 x 2 x 0.5	130	11.7	5321I07100	10 x 2 x 0.75	530	22.3
5321I05050	5 x 2 x 0.5	217	14.3	5321I07200	20 x 2 x 0.75	930	29.2
5321I05100	10 x 2 x 0.5	403	19.6	5321I15020	2 x 2 x 1.5	230	14.4
5321I05200	20 x 2 x 0.5	667	25.4	5321I15050	5 x 2 x 1.5	410	18.5
5321I07020	2 x 2 x 0.75	190	12.5	5321I15100	10 x 2 x 1.5	730	26.1
5321I07050	5 x 2 x 0.75	300	16.0	5321I15200	20 x 2 x 1.5	1283	34.2

*Outer diameters are for reference only and can vary between manufacturers, please check at time of order.

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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

Please Note: Individually screened pairs can also be identified by a polyester tape over black & blue pairs.