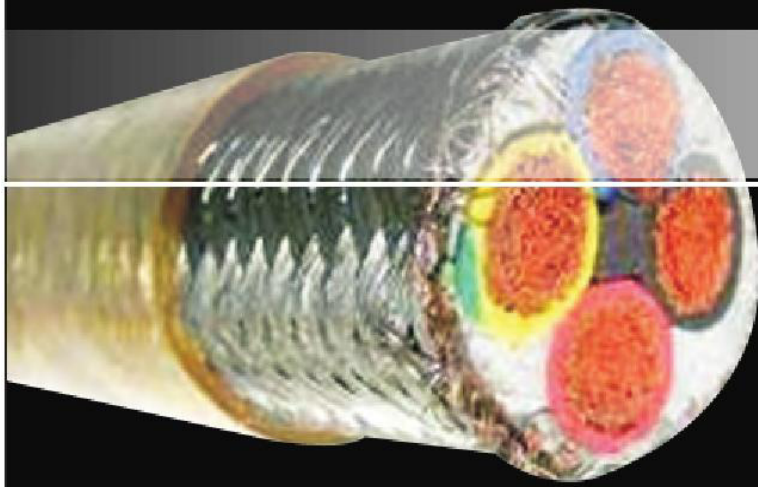




“PARASHIELD” Multi Core Shielded (Braid) Cables

Parashield multicore shielded braided cables recommended for use in Indian and European designed computer, data transmission Signal Analog, Digital Analog systems and office equipment, process control and instrumentation, where additional EMI protection is required. In this range Parashield cables have ATC twisted cores and overall shield with Alu. Mylor Tape, & ATC wire Braid for providing protection from electro magnetic interference (EMI) and reducing electromagnetic radiation (EMR). This can be important when trying to ensure electromagnetic compatibility (EMC).



Construction:

Conductor:	Annealed Tinned copper
Insulation:	PVC,
Color Code:	Colour coded/numbered cores
Stranding:	In layers
Shield:	Hellically Wrapped Alu. mylar tape & Annealed Tinned Copper braid
Jacket Material:	PVC,
Jacket Color:	Gray/ Black,

Technical Data:

Operating Voltage:	< 24 AWG= max. 300 V ≥ 24 AWG= max. 500 V
Testing Voltage:	< 24 AWG= 800 V ≥ 24 AWG= 1200 V
Min. Bending radius	
fixed installation:	5x O.D.
free movements:	10x O.D.
Temperature Range:	
static:	-20/+70 °C
flexing:	-5/+70 °C

Part No.	No. of Core x sq.mm	Out. Dia. (Approx.) (mm)	Conductor Resistance Ohms/Km@ 20°C
0.14 sq.mm (AWG 26)			
PSB 2014	2 x 0.14	4.2	125.7
PSB 3014	3 x 0.14	4.4	125.7
PSB 4014	4 x 0.14	4.7	125.7
PSB 5014	5 x 0.14	4.9	125.7
PSB 6014	6 x 0.14	5.2	125.7
PSB 7014	7 x 0.14	5.2	125.7
PSB 8014	8 x 0.14	5.5	125.7
PSB 10014	10 x 0.14	6.2	125.7
PSB 12014	12 x 0.14	6.5	125.7
PSB 14014	14 x 0.14	6.8	125.7
PSB 16014	16 x 0.14	7.1	125.7
PSB 18014	18 x 0.14	7.4	125.7
PSB 20014	20 x 0.14	7.7	125.7
PSB 24014	24 x 0.14	8.6	125.7

Part No.	Core x sq.mm	Out. Dia. (Approx.) (mm)	Conductor Resistance Ohms/Km@ 20°C
0.22 sq.mm (AWG 24)			
PSB 2022	2 x 0.22	4.8	78.3
PSB 3022	3 x 0.22	5.0	78.3
PSB 4022	4 x 0.22	5.4	78.3
PSB 5022	5 x 0.22	5.7	78.3
PSB 6022	6 x 0.22	6.1	78.3
PSB 7022	7 x 0.22	6.1	78.3
PSB 8022	8 x 0.22	6.7	78.3
PSB 10022	10 x 0.22	7.6	78.3
PSB 12022	12 x 0.22	7.8	78.3
PSB 14022	14 x 0.22	8.2	78.3
PSB 16022	16 x 0.22	8.7	78.3
PSB 18022	18 x 0.22	9.1	78.3
PSB 20022	20 x 0.22	9.5	78.3
PSB 24022	24 x 0.22	10.4	78.3

Part No.	No. of Core x sq.mm	Out. Dia. (Approx.) (mm)	Conductor Resistance Ohms/Km@ 20°C
0.35 sq.mm (AWG 22)			
PSB 2035	2 x 0.35	5.2	49.5
PSB 3035	3 x 0.35	5.4	49.5
PSB 4035	4 x 0.35	5.9	49.5
PSB 5035	5 x 0.35	6.3	49.5
PSB 6035	6 x 0.35	6.9	49.5
PSB 7035	7 x 0.35	6.9	49.5
PSB 8035	8 x 0.35	7.3	49.5
PSB 10035	10 x 0.35	8.6	49.5
PSB 12035	12 x 0.35	9.0	49.5
PSB 14035	14 x 0.35	9.5	49.5
PSB 16035	16 x 0.35	9.8	49.5
PSB 18035	18 x 0.35	10.3	49.5
PSB 20035	20 x 0.35	10.7	49.5
PSB 24035	24 x 0.35	11.8	49.5

Part No.	Core x sq.mm	Out. Dia. (Approx.) (mm)	Conductor Resistance Ohms/Km@ 20°C
0.50 sq.mm (AWG 20)			
PSB 2050	2 x 0.50	6.0	40.2
PSB 3050	3 x 0.50	6.3	40.2
PSB 4050	4 x 0.50	6.8	40.2
PSB 5050	5 x 0.50	7.3	40.2
PSB 6050	6 x 0.50	8.0	40.2
PSB 7050	7 x 0.50	8.0	40.2
PSB 8050	8 x 0.50	8.5	40.2
PSB 10050	10 x 0.50	10.0	40.2
PSB 12050	12 x 0.50	10.3	40.2
PSB 14050	14 x 0.50	10.8	40.2
PSB 16050	16 x 0.50	11.3	40.2
PSB 18050	18 x 0.50	11.8	40.2
PSB 20050	20 x 0.50	12.3	40.2
PSB 24050	24 x 0.50	13.9	40.2

“PARASHIELD” Multi Core Shielded (Braid) Cables

Part No.	No. of Core x sq.mm	Out. Dia. (Approx.) (mm)	Conductor Resistance Ohms/Km@ 20°C
0.75 sq.mm (AWG- 18)			
PSB 2075	2 x 0.75	6.4	26.8
PSB 3075	3 x 0.75	6.7	26.8
PSB 4075	4 x 0.75	7.3	26.8
PSB 5075	5 x 0.75	8.0	26.8
PSB 6075	6 x 0.75	8.6	26.8
PSB 7075	7 x 0.75	8.6	26.8
PSB 8075	8 x 0.75	9.4	26.8
PSB 10075	10 x 0.75	10.8	26.8
PSB 12075	12 x 0.75	11.1	26.8
PSB 14075	14 x 0.75	11.8	26.8
PSB 16075	16 x 0.75	12.5	26.8
PSB 18075	18 x 0.75	13.2	26.8
PSB 20075	20 x 0.75	13.8	26.8
PSB 24075	24 x 0.75	15.4	26.8

1.00 sq.mm (AWG - 18)			
PSB 2100	2 x 1.00	7.4	20.1
PSB 3100	3 x 1.00	7.8	20.1
PSB 4100	4 x 1.00	8.5	20.1
PSB 5100	5 x 1.00	9.2	20.1
PSB 6100	6 x 1.00	9.9	20.1
PSB 7100		9.9	20.1
PSB 8100	7 x 1.00	10.7	20.1
PSB 10100	8 x 1.00	12.3	20.1
PSB 12100	10 x 1.00	12.8	20.1
PSB 14100	12 x 1.00	13.6	20.1
PSB 16100	14 x 1.00	14.2	20.1
PSB 18100	16 x 1.00	14.9	20.1
PSB 24100	18 x 1.00	17.5	20.1
	24 x 1.00		

1.50 sq.mm (AWG-16)			
PSB2150	2 x 1.50	8.0	13.7
PSB3150	3 x 1.50	8.4	13.7
PSB4150	4 x 1.50	9.2	13.7
PSB5150	5 x 1.50	10.0	13.7
PSB6150	6 x 1.50	10.8	13.7
PSB7150	7 x 1.50	10.8	13.7
PSB8150	8 x 1.50	11.7	13.7
PSB10150	10 x 1.50	13.5	13.7
PSB12150	12 x 1.50	14.1	13.7
PSB14150	14 x 1.50	15.0	13.7
PSB16150	16 x 1.50	15.6	13.7
PSB18150	18 x 1.50	16.5	13.7
PSB24150	24 x 1.50	19.2	13.7

2.50 sq.mm (AWG-14)			
PSB2250	2 x 2.50	9.4	8.22
PSB3250	3 x 2.50	9.9	8.22
PSB4250	4 x 2.50	10.9	8.22
PSB5250	5 x 2.50	11.8	8.22
PSB7250	7 x 2.50	12.9	8.22
PSB12250	12 x 2.50	17.0	8.22

4.0 sq.mm (AWG - 12)			
PSB340	3 x 4.0	11.6	5.10
PSB440	4 x 4.0	12.9	5.10
PSB540	5 x 4.0	14.1	5.10
PSB740	7 x 4.0	15.5	5.10
6.0 sq.mm (AWG - 10)			
PSB360	3 x 6.0	14.2	3.40
PSB460	4 x 6.0	15.8	3.40
PSB560	5 x 6.0	17.3	3.40
10.00 sq.mm			
PSB310	3 x 10	18.7	1.97
PSB410	4 x 10	20.7	1.97
PSB510	5 x 10	22.6	1.97
16.00 sq.mm			
PSB316	3 x 16	21.2	1.25
PSB416	4 x 16	23.8	1.25
PSB516	5 x 16	26.0	1.25
25.00 sq.mm			
PSB325	3 x 25	25.8	0.805
PSB425	4 x 25	28.9	0.805
PSB525	5 x 25	31.6	0.805
35.00 sq.mm			
PSB335	3 x 35	29.1	0.571
PSB435	4 x 35	32.7	0.571
PSB535	5 x 35	35.7	0.571
50.00 sq.mm			
PSB350	3 x 50	34.3	0.398
PSB450	4 x 50	38.6	0.398
70.00 sq.mm			
PSB370	3 x 70	38.9	0.280
PSB470	4 x 70	44.0	0.280
95.00 sq.mm			
PSB395	3 x 95	44.9	0.212
PSB495	4 x 95	50.5	0.212
120.00 sq.mm			
PSB4120	4 x 120	57.5	0.166

Note : The following can also be available if required:

1. Higher sizes / Cores .
2. FR / HR-FR / PE Insulation material.
3. FRLS / LSZH Outersheath
4. Armoured Versions
5. AWG sizes are approximate and for information only. Please contact us for exact size.

"PARASHIELD"

Multicore Double Shielded Data Cables

Parashield Multicore Double Shielded signal and control cable for analog & digital analog signals used in India and International designed computer, data transmission and office equipment, process control and instrumentation.



Construction:

Conductor:	Annealed Tinned Copper
Insulation:	PVC
Color Code:	Different Colours
Stranding:	In layers
Shield:	Double Shield with Alu. foil & tinned copper braid with tinned copper drain wire
Jacket Material:	PVC
Jacket Color:	Gray/Black

Technical Data:

Voltage:	300 V / 500 V
Peak Operating Voltage:	Max.350 V
Testing Voltage:	800 V
Min. Bending radius	
<i>fixed installation:</i>	
<i>free movements:</i>	5x O.D.
Radiation resistance:	10x O.D.
Temperature Range:	
<i>static:</i>	8x 10 cJ/kg
<i>flexing:</i>	
	-20/+70 °C up to +80 °C
	-5/+ 70 °C up to +80 °C

Outstanding Feature

- Very good EMC characteristic
- Small outer Diameter
- Small bending radius

Part No.	No. of Out. Dia.	Conductor Resistance	
		Ohms/Km@ 20 °C	Cores x sq.mm (mm)
			0.089 sq.mm (AWG 28)
PSDS 2010	2 x 0.089	4.2	219.40
PSDS 3010	3 x 0.089	4.4	219.40
PSDS 4010	4 x 0.089	4.7	219.40
PSDS 5010	5 x 0.089	4.9	219.40
PSDS 7010	7 x 0.089	5.2	219.40
PSDS 10010	10 x 0.089	6.2	219.40
PSDS 12010	12 x 0.089	6.5	219.40
PSDS 14010	14 x 0.089	6.8	219.40
PSDS 18010	18 x 0.089	7.4	219.40
PSDS 24010	24 x 0.089	8.6	219.40

Part No.	No. of Out. Dia.	Conductor Resistance	
		Ohms/Km@ 20 °C	Cores x sq.mm (mm)
			0.14 sq.mm (AWG 26)
PSDS 2014	2 x 0.14	4.2	125.7
PSDS 3014	3 x 0.14	4.4	125.7
PSDS 4014	4 x 0.14	4.7	125.7
PSDS 5014	5 x 0.14	4.9	125.7
PSDS 7014	7 x 0.14	5.2	125.7
PSDS 10014	10 x 0.14	6.2	125.7
PSDS 12014	12 x 0.14	6.5	125.7
PSDS 14014	14 x 0.14	6.8	125.7
PSDS 18014	18 x 0.14	7.4	125.7
PSDS 24014	24 x 0.14	8.6	125.7

Part No.	Out. Dia.	Conductor Resistance	No. of
	(mm)	Ohms/Km@ 20 °C	Cores x sq.mm
			0.22 sq.mm (AWG 24)
PSDS 2022	2 x 0.22	4.8	78.3
PSDS 3022	3 x 0.22	5.0	78.3
PSDS 4022	4 x 0.22	5.4	78.3
PSDS 5022	5 x 0.22	5.7	78.3
PSDS 7022	7 x 0.22	6.1	78.3
PSDS 10022	10 x 0.22	7.6	78.3
PSDS 12022	12 x 0.22	7.8	78.3
PSDS 14022	14 x 0.22	8.2	78.3
PSDS 18022	18 x 0.22	9.1	78.3
PSDS 24022	24 x 0.22	10.4	78.3

Part No.	No. of Out. Dia.	Conductor Resistance	
		Ohms/Km@ 20 °C	Cores x sq.mm (mm)
			0.35 sq.mm (AWG 22)
PSDS 2035	2 x 0.35	5.2	49.5
PSDS 3035	3 x 0.35	5.4	49.5
PSDS 4035	4 x 0.35	5.9	49.5
PSDS 5035	5 x 0.35	6.3	49.5
PSDS 7035	7 x 0.35	6.9	49.5
PSDS 10035	10 x 0.35	8.6	49.5
PSDS 12035	12 x 0.35	9.0	49.5
PSDS 14035	14 x 0.35	9.5	49.5
PSDS 18035	18 x 0.35	10.3	49.5
PSDS 24035	24 x 0.35	10.7	49.5

Note : The following can also be available if required:

1. Higher sizes / Cores .
- 2 FR / HR-FR / PE Insulation material.
3. FRLS / LSZH Outersheath
4. Armoured Versions ..

"PARASHIELD"

PVC Bedded Shielded MultiCore Cables

Protecting signals from electromagnetic interference (EMI) or reducing electromagnetic radiation (EMR) from supply cables has substantially increased the need for shielded multicore cables. Fine copper wire strands insulated with PVC and combined with pliable oil resistant PVC inner and outer sheaths ensure excellent flexibility, while the tinned copper wire braid forms an effective shield. Clear white numbering on black cores enable fast 'right first time' termination, vital when working with large numbers of cores or under artificial lighting which may distort core colours.

These cables has many uses including general wiring in machine tool applications especially in conjunction with PLC or microprocessor controlled manufacturing operations where signal interference could cause major problems.

Also used as a supply cable where circumstances result in power and data cables being run in close proximity to each other. In these cases EMR can be significantly reduced.



Construction:

Fine copper wire strands to IS : 8130 Class 5. Black PVC insulation with white numbers, a green/yellow earth conductor in cables with more than 2 cores. (Colour coded versions also available).

Cores twisted together. Grey PVC inner Sheath, tinned copper wire braid, clear PVC outer sheath.

Technical Data:

Voltage Rating:	300/500V Test 1000V
Temperature Rating:	Static - 20 C to 80 C Flexing - 5 C to 70 C
Bending Radius:	Static 10 x cable diameter Flexing 20 x cable diameter

Part No.	No. of Core x sq.mm	Outer Dia. (mm)	Conductor Resistance Ohms/Km@ 20°C
0.5 sq.mm (AWG 20)			
PSBB 2050	2 x 0.5	7.1	39
PSBB 3050	3 x 0.5	7.4	39
PSBB 4050	4 x 0.5	7.9	39
PSBB 5050	5 x 0.5	8.6	39
PSBB 7050	7 x 0.5	9.2	39
PSBB 12050	12 x 0.5	11.6	39
PSBB 18050	18 x 0.5	13.4	39
PSBB 24050	24 x 0.5	15.4	39

0.75 sq.mm (AWG 18)			
PSBB 2075	2 x 0.75	7.5	26
PSBB 3075	3 x 0.75	7.8	26
PSBB 4075	4 x 0.75	8.4	26
PSBB 5075	5 x 0.75	9.1	26
PSBB 7075	7 x 0.75	9.7	26
PSBB 12075	12 x 0.75	12.1	26
PSBB 18075	18 x 0.75	14.2	26
PSBB 24075	24 x 0.75	16.7	26

Part No.	No. of Core x sq.mm	Outer Dia. (mm)	Conductor Resistance Ohms/Km@ 20°C
1.0 sq.mm (AWG 18)			
PSBB 2100	2 x 1.0	8.1	19.5
PSBB 3100	3 x 1.0	8.5	19.5
PSBB 4100	4 x 1.0	9.3	19.5
PSBB 5100	5 x 1.0	9.9	19.5
PSBB 7100	7 x 1.0	10.6	19.5
PSBB 12100	12 x 1.0	13.5	19.5
PSBB 18100	18 x 1.0	15.7	19.5
PSBB 24100	24 x 1.0	18.8	19.5

1.5 sq.mm (AWG 16)			
PSBB 2150	2 x 1.5	8.7	13.3
PSBB 3150	3 x 1.5	9.3	13.3
PSBB 4150	4 x 1.5	10.1	13.3
PSBB 5150	5 x 1.5	10.7	13.3
PSBB 7150	7 x 1.5	11.5	13.3
PSBB 12150	12 x 1.5	14.8	13.3
PSBB 18150	18 x 1.5	17.3	13.3
PSBB 24150	24 x 1.5	20.2	13.3

“PARASHIELD” PVC Bedded Shielded MultiCore Cables

Part No.	No. of Outer Dia. (mm)	Core x sq.mm	Conductor Resistance Ohms/Km@20°C
2.5 sq.mm (AWG 14)			
PSBB 3250	3 x 2.5	11.4	7.98
PSBB 4250	4 x 2.5	11.8	7.98
PSBB 5250	5 x 2.5	12.7	7.98
PSBB 7250	7 x 2.5	13.8	7.98

Part No	No. of Outer Dia. (mm)	Core x sq.mm	Conductor Resistance Ohms/Km@20°C
4.0sq.mm (AWG 12)			
PSBB 440	4 x 4.0	13.8	4.95
PSBB 540	5 x 4.0	15.2	4.95

Part No	No. of Outer Dia. (mm)	Core x sq.mm	Conductor Resistance Ohms/Km@20°C
6.0sq.mm (AWG 10)			
PSBB 460	4 x 6.0	16.6	3.30
PSBB 560	5 x 6.0	18.2	3.30

Part No	No. of Outer Dia. (mm)	Core x sq.mm	Conductor Resistance Ohms/Km@20°C
10.0sq.mm			
PSBB 410	4 x 10	19.6	1.91
PSBB 510	5 x 10	21.3	1.91

Part No	No. of Outer Dia. (mm)	Core x sq.mm	Conductor Resistance Ohms/Km@20°C
16.0sq.mm			
PSBB 416	4 x 16	24.7	1.21

Part No	No. of Outer Dia. (mm)	Core x sq.mm	Conductor Resistance Ohms/Km@20°C
25.0sq.mm			
PSBB 425	4 x 25	29.7	0.78

Part No	No. of Outer Dia. (mm)	Core x sq.mm	Conductor Resistance Ohms/Km@20°C
35.0sq.mm			
PSBB 435	4 x 35	33.8	0.554

Part No	No. of Outer Dia. (mm)	Core x sq.mm	Conductor Resistance Ohms/Km@20°C
50.0sq.mm			
PSBB 450	4 x 50	39.3	0.386

Part No	No. of Outer Dia. (mm)	Core x sq.mm	Conductor Resistance Ohms/Km@20°C
70.0sq.mm			
PSBB 470	4 x 70	45.0	0.272

Part No	No. of Outer Dia. (mm)	Core x sq.mm	Conductor Resistance Ohms/Km@20°C
95.0sq.mm			
PSBB 495	4 x 95	51.4	0.206

Part No	No. of Outer Dia. (mm)	Core x sq.mm	Conductor Resistance Ohms/Km@20°C
120.0sq.mm			
PSBB 4120	4 x 120	57.1	0.161

Note : The following can also be available if required:

1. Higher sizes / Cores .
- 2 FR / HR-FR / PE Insulation material.
3. BLACK PVC / FRLS / LSZH Outersheath
4. AWG sizes are approximate and for informations only . Please contact us for exact size.

“PARASHIELD”

“PARASHIELD” SIGNAL & CONTROL

PVC Steel Braided Multicore Cables

SPVVC

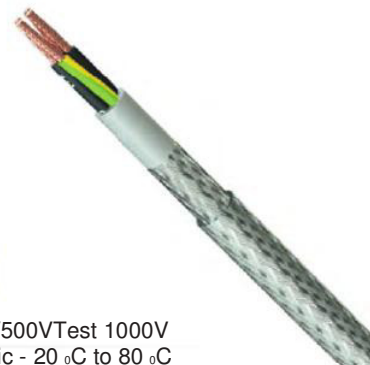
Where mechanical protection is called for on a flexible cable, Steel Braiding is a popular choice. The tough, flexible, clear outer sheath provides excellent abrasion and oil resistance. Suitable as a supply or control cable for motors, plant, machinery and many other applications.

Construction:

Fine copper wire strands to IS 8130 Class 5. Black PVC insulation with white numbers or colour coded. Cables with more than 2 cores include a green/yellow earth, cores twisted together. Grey PVC inner sheath, steel wire braid, clear PVC outer sheath.

Technical Data:

Voltage Rating:	300/500V Test 1000V
Temperature Rating:	Static - 20 °C to 80 °C Flexing - 5 °C to 70 °C
Bending Radius:	Static 10 x cable diameter Flexing 20 x cable diameter



Part No	No. of Core x sq.mm (mm)	Outer Dia. (mm)	Conductor Resistance Ohms/Km@20°C
0.5 sq.mm (AWG 20)			
PSSB 2050	2 x 0.5	7.5	39.0
PSSB 3050	3 x 0.5	7.8	39.0
PSSB 4050	4 x 0.5	8.3	39.0
PSSB 5050	5 x 0.5	8.9	39.0
PSSB 7050	7 x 0.5	9.5	39.0
PSSB 12050	12 x 0.5	11.6	39.0
PSSB 18050	18 x 0.5	13.8	39.0
PSSB 24050	24 x 0.5	16.1	39.0

Part No	No. of Core x sq.mm (mm)	Outer Dia. (mm)	Conductor Resistance Ohms/Km@20°C
0.75 sq.mm (AWG 18)			
PSSB 2075	2 x 0.75	7.9	26
PSSB 3075	3 x 0.75	8.2	26
PSSB 4075	4 x 0.75	8.8	26
PSSB 5075	5 x 0.75	9.5	26
PSSB 7075	7 x 0.75	10.1	26
PSSB 12075	12 x 0.75	12.4	26
PSSB 18075	18 x 0.75	15.0	26
PSSB 24075	24 x 0.75	17.5	26

Part No	No. of Core x sq.mm (mm)	Outer Dia. (mm)	Conductor Resistance Ohms/Km@20°C
1.0 sq.mm (AWG 16)			
PSSB 2100	2 x 1.0	8.5	19.5
PSSB 3100	3 x 1.0	8.9	19.5
PSSB 4100	4 x 1.0	9.7	19.5
PSSB 5100	5 x 1.0	10.3	19.5
PSSB 7100	7 x 1.0	11.0	19.5
PSSB 12100	12 x 1.0	14.5	19.5
PSSB 18100	18 x 1.0	16.7	19.5
PSSB 24100	24 x 1.0	19.5	19.5

Part No	No. of Core x sq.mm (mm)	Outer Dia. (mm)	Conductor Resistance Ohms/Km@20°C
1.5 sq.mm (AWG 16)			
PSSB 2150	2 x 1.5	9.1	13.3
PSSB 3150	3 x 1.5	9.7	13.3
PSSB 4150	4 x 1.5	10.5	13.3
PSSB 5150	5 x 1.5	11.1	13.3
PSSB 7150	7 x 1.5	12.6	13.3
PSSB 12150	12 x 1.5	16.9	13.3
PSSB 18150	18 x 1.5	18.4	13.3

Part No	No. of Core x sq.mm (mm)	Outer Dia. (mm)	Conductor Resistance Ohms/Km@20°C
2.5 sq.mm (AWG 14)			
PSSB 3250	3 x 2.5	11.0	7.98
PSSB 4250	4 x 2.5	12.2	7.98
PSSB 5250	5 x 2.5	13.4	7.98
PSSB 7250	7 x 2.5	14.6	7.98

Part No	No. of Core x sq.mm (mm)	Outer Dia. (mm)	Conductor Resistance Ohms/Km@20°C
4.0 sq.mm (AWG 12)			
PSSB 440	4 x 4.0	14.6	4.95
PSSB 540	5 x 4.0	16.0	4.95

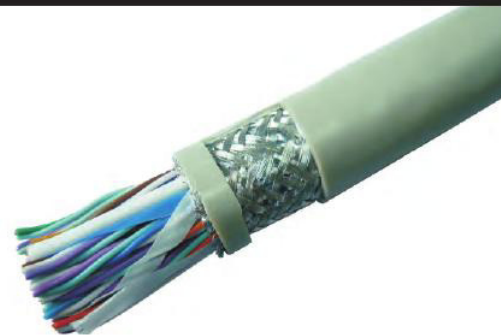
Part No	No. of Core x sq.mm (mm)	Outer Dia. (mm)	Conductor Resistance Ohms/Km@20°C
6.00 sq.mm (AWG 10)			
PSBB 460	4 x 6.0	17.4	3.30
PSBB 560	5 x 6.0	18.9	3.30
PSBB 760	7 x 6.0	22.2	3.30

Note : The following can also be available if required:

1. Higher sizes / Cores .
- 2 FR / HR-FR / PE Insulation material.
3. BLACK PVC / FRLS / LSZH Outersheath.
4. AWG Sizes are approximate and for information only please contact us for the exact size.

"PARASHIELD" Multipair Overall Shielded (Braid) Cable

Parashield Multipair Shielded cable- two cores twisted into pair and such one unit twisted into multiples to make overall one unit specially this reduce cross talk. The effects of electro magnetic interference (EMI) are also minimised by the use of an overall tinned copper wire braid shield. Used extensively for signal & data transmission where flexibility is important.



Construction:

Conductor: Annealed Tinned Copper
Insulation: PVC
Color Code: As per BS 5308 (part 1)
Stranding: In layers
Shield: Hellically wrapped Alu. mylar tape & Annealed Tinned Copper braid
Jacket Material: PVC,
Jacket Color: Gray/ Black

Technical Data:

Voltage Rating: > 0.35 sq.mm = 300V
 < 0.5 sq.mm = 300/500 V
 Static - 30 C to + 80 C
Temperature rating: Flexing -5 to +70 C
 Static 5x O.D.
 Flexing 10 x O.D.
Min. Bending radius

Part No.	No. of Pairs x sq.mm (mm)	Out. Dia. (mm)	Conductor Resistance Ohms/Km@ 20°C
0.22 sq.mm (AWG 24)			
PSBP22022	2 x 2 x 0.22	6.1	80
PSBP32022	3 x 2 x 0.22	6.9	80
PSBP42022	4 x 2 x 0.22	7.5	80
PSBP62022	6 x 2 x 0.22	8.8	80
PSBP82022	8 x 2 x 0.22	9.7	80
PSBP122022	12 x 2 x 0.22	11.5	80
PSBP182022	18 x 2 x 0.22	13.5	80
PSBP242022	24 x 2 x 0.22	15.3	80

0.35 sq.mm (AWG 22)			
PSBP22035	2 x 2 x 0.35	6.8	50.5
PSBP32035	3 x 2 x 0.35	7.7	50.5
PSBP42035	4 x 2 x 0.35	8.5	50.5
PSBP62035	6 x 2 x 0.35	9.7	50.5
PSBP82035	8 x 2 x 0.35	11.0	50.5
PSBP122035	12 x 2 x 0.35	12.9	50.5
PSBP182035	18 x 2 x 0.35	15.3	50.5
PSBP242035	24 x 2 x 0.35	19.4	50.5

0.50 sq.mm (AWG 20)			
PSBP22050	2 x 2 x 0.50	7.6	40.9
PSBP32050	3 x 2 x 0.50	8.7	40.9
PSBP42050	4 x 2 x 0.50	9.6	40.9
PSBP62050	6 x 2 x 0.50	11.3	40.9
PSBP82050	8 x 2 x 0.50	12.7	40.9
PSBP122050	12 x 2 x 0.50	15.1	40.9
PSBP182050	18 x 2 x 0.50	17.7	40.9
PSBP242050	24 x 2 x 0.50	20.3	40.9

Part No.	No. of Pairs x sq.mm	Out. Dia. (mm)	Conductor Resistance Ohms/Km@ 20°C
0.75 sq.mm (AWG 18)			
PSBP22075	2 x 2 x 0.75	8.1	27.3
PSBP32075	3 x 2 x 0.75	9.4	27.3
PSBP42075	4 x 2 x 0.75	10.4	27.3
PSBP62075	6 x 2 x 0.75	12.2	27.3
PSBP82075	8 x 2 x 0.75	13.8	27.3
PSBP122075	12 x 2 x 0.75	16.4	27.3
PSBP182075	18 x 2 x 0.75	19.7	27.3
PSBP242075	24 x 2 x 0.75	22.2	27.3

1.00 sq.mm (AWG 16)			
PSBP2210	2 x 2 x 1.00	8.98.9	20.5
PSBP3210	3 x 2 x 1.00	10.3	20.5
PSBP4210	4 x 2 x 1.00	11.7	20.5
PSBP6210	6 x 2 x 1.00	13.7	20.5
PSBP8210	8 x 2 x 1.00	15.5	20.5
PSBP12210	12 x 2 x 1.00	18.5	20.5
PSBP18210	18 x 2 x 1.00	22.2	20.5
PSBP24210	24 x 2 x 1.00	25.4	20.5

1.50 sq.mm (AWG 14)			
PSBP22150	2 x 2 x 1.50	9.7	13.97
PSBP32150	3 x 2 x 1.50	11.5	13.97
PSBP42150	4 x 2 x 1.50	12.8	13.97
PSBP62150	6 x 2 x 1.50	15.3	13.97
PSBP82150	8 x 2 x 1.50	17.2	13.97
PSBP122150	12 x 2 x 1.50	20.7	13.97
PSBP182150	18 x 2 x 1.50	24.6	13.97
PSBP242150	24 x 2 x 1.50	28.2	13.97

Note : The following can also be available if required:

1. Higher sizes / Pairs .
- 2 FR / HR-FR / PE Insulation material.
3. FRLS / LSZH Outersheath
4. Armoured Versions .
5. AWG sizes are approximate and for information only. Please contact us for exact size.

"PARASHIELD"

Multipair Overall Double Shielded Data Cables

Parashield Shielded, multi-paired signal and control cable recommended for use in European designed computers, data transmission and office equipment, process control and instrumentation, where additional EMI protection is required. Twisting the conductors in special paired assemblies provides interference suppression in analog or digital signals.

Construction:

Conductor: Annealed Tinned copper
Insulation: PVC,
Color Code: As per BS 5308 (Part 1)
Stranding: 2 Conductors twisted into pairs & pairs in layers
Wrapping: Polyester Tape
Shield: Double Screen with Alu. foil & Tinned Copper braid with copper drain wire
Jacket Material: PVC,
Jacket Color: Gray/Black/ Blue



Technical Data:

Peak Operating Voltage: < 24 AWG = max. 350 V
 > 24 AWG = max. 500 V

Testing Voltage: < 24 AWG = 800 V
 > 24 AWG = 1200 V

Min. Bending radius –

fixed installation: 5x O.D.

free movements: 10x O.D.

Temperature Range:

static: -20/+70°C

flexing: -5/+70°C

Outstanding Feature

- Good EMC characteristic
- Flexible
- Small outer Diameter
- Small bending radius

Part No.	No. of Out. Dia. (mm)	Conductor Resistance Ohms/Km @ 20°C	Conductor Resistance Pairs x sq.mm
0.22 sq.mm (AWG 24)			
PSDBP 22022	2 x 2 x 0.22	6.1	80.00
PSDBP 32022	3 x 2 x 0.22	6.9	80.00
PSDBP 62022	4 x 2 x 0.22	7.7	80.00
PSDBP 82022	5 x 2 x 0.22	8.3	80.00
PSDBP 102022	6 x 2 x 0.22	8.8	80.00
PSDBP 122022	8 x 2 x 0.22	9.7	80.00
PSDBP 162022	10 x 2 x 0.22	10.5	80.00
PSDBP 182022	12 x 2 x 0.22	11.5	80.00
PSDBP 242022	14 x 2 x 0.22	12.3	80.00
PSDBP 242022	16 x 2 x 0.22	12.9	80.00
PSDBP 242022	18 x 2 x 0.22	13.5	80.00
PSDBP 242022	24 x 2 x 0.22	15.3	80.00

Part No.	No. of Out. Dia. (mm)	Conductor Resistance Ohms/km @ 20°C	Conductor Resistance Pairs x sq.mm
0.35 sq.mm (AWG 22)			
PSDBP 22035	2 x 2 x 0.35	6.8	50.50
PSDBP 32035	3 x 2 x 0.35	7.7	50.50
PSDBP 42035	4 x 2 x 0.35	8.5	50.50
PSDBP 52035	5 x 2 x 0.35	9.1	50.50
PSDBP 62035	6 x 2 x 0.35	9.7	50.50
PSDBP 82035	8 x 2 x 0.35	11.0	50.50
PSDBP 102035	10 x 2 x 0.35	11.9	50.50
PSDBP 122035	12 x 2 x 0.35	12.9	50.50
PSDBP 142035	14 x 2 x 0.35	13.7	50.50
PSDBP 162035			50.50
PSDBP 182035			50.50
PSDBP 242035	16 x 2 x 0.35	14.7	50.50
	18 x 2 x 0.35	15.3	50.50
	24 x 2 x 0.35	17.4	50.50

0.50sq.mm (AWG 20)			
PSDBP 22050	2 x 2 x 0.50	7.6	40.9
PSDBP 32050	3 x 2 x 0.50	8.7	40.9
PSDBP 42050	4 x 2 x 0.50	9.7	40.9
PSDBP 52050	5 x 2 x 0.50	10.7	40.9
PSDBP 62050	6 x 2 x 0.50	11.3	40.9
PSDBP 82050	8 x 2 x 0.50	12.7	40.9
PSDBP 102050	10 x 2 x 0.50	13.8	40.9
PSDBP 122050	12 x 2 x 0.50	15.1	40.9
PSDBP 142050	14 x 2 x 0.50	16.1	40.9
PSDBP 162050	16 x 2 x 0.50	16.9	40.9
PSDBP 182050	18 x 2 x 0.50	17.7	40.9
PSDBP 242050	24 x 2 x 0.50	20.3	40.9

0.75sq.mm (AWG 18)			
PSDBP 22075	2 x 2 x 0.75	8.2	27.3
PSDBP 32075	3 x 2 x 0.75	9.3	27.3
PSDBP 42075	4 x 2 x 0.75	10.5	27.3
PSDBP 52075	5 x 2 x 0.75	11.4	27.3
PSDBP 62075	6 x 2 x 0.75	12.2	27.3
PSDBP 82075	8 x 2 x 0.75	13.9	27.3
PSDBP 102075	10 x 2 x 0.75	15.4	27.3
PSDBP 122075	12 x 2 x 0.75	16.4	27.3
PSDBP 142075	14 x 2 x 0.75	17.7	27.3
PSDBP 162075	16 x 2 x 0.75	18.6	27.3
PSDBP 182075	18 x 2 x 0.75	19.7	27.3
PSDBP 242075	24 x 2 x 0.75	22.2	27.3

Note : The following can also be available if required:

1. Higher sizes / Pairs .
- 2 FR / HR-FR / PE Insulation material.
3. FRLS / LSZH Outersheath.
4. Armoured Versions
5. AWG sizes are approximate and for information only. Please contact us for exact size.

"PARASHIELD"

Multipair Individually & Overall Shielded Data Cables

Parashield Multi-paired, individually Alu.mylar tape shield and overall braided shield and jacketed signal and control cable recommended for use in European designed computer, data transmission and office equipment, process control and instrumentation, where maximum EMI protection is required. Twisting the conductors in pairs assemblies provides interference suppression in analog or digital signals. The additional shield on the individual pairs prevents interference between transmission of circuits.

Construction:

Conductor: Annealed Tinned copper
Insulation: PVC,
Color Code: As per BS 5308 (part 1)
Pairing: 2 Conductors twisted together to form a pair
Pair Shield: Helically Wrapped with Alu.mylar tape and drain wire
Jacket: Each pair jacketed with PVC
Stranding: Pairs in concentric layers
Wrapping: Helically wrapped with Polyester tape
Shield: Braided with Tinned copper and a drain wire also provided under the braid
Jacket Material: PVC,
Jacket Color: Gray/ Black/ Blue



Technical Data:

Peak Operating Voltage: < 24 AWG= max. 350 V
> 24 AWG= max. 500 V
Testing Voltage: < 24 AWG= 800 V
> 24 AWG= 1200 V
Min. Bending radius –
fixed installation: 5x O.D.
free movements: 10x O.D.
Radiation resistance: 8 x 10⁻⁷ cJ/kg
Temperature Range: –
static: -20/+70 C
flexing: -5/+70 C

Outstanding Feature

- Very good EMC characteristic
- Flexible

Part No.	Out. Dia. (mm)	Conductor Resistance Ohms/Km@ 20°C	No. of Pairs x sq.mm
0.14 sq.mm (AWG 26)			
PSIOB 22014	2 x 2 x 0.14	9.4	128.50
PSIOB 32014	3 x 2 x 0.14	9.9	128.50
PSIOB 42014	4 x 2 x 0.14	11.1	128.50
PSIOB 62014	6 x 2 x 0.14	13.1	128.50
PSIOB 82014	8 x 2 x 0.14	14.3	128.50
PSIOB 102014	10 x 2 x 0.14	16.9	128.50
PSIOB 122014	12 x 2 x 0.14	17.5	128.50
PSIOB 142014	14 x 2 x 0.14	18.9	128.50
PSIOB 162014	16 x 2 x 0.14	19.8	128.50
PSIOB 242014	24 x 2 x 0.14	24.4	128.50
0.22 sq.mm (AWG 24)			
PSIOB 22022	2 x 2 x 0.22	10.7	80.00
PSIOB 32022	3 x 2 x 0.22	11.4	80.00
PSIOB 42022	4 x 2 x 0.22	12.7	80.00
PSIOB 62022	6 x 2 x 0.22	15.1	80.00
PSIOB 82022	8 x 2 x 0.22	16.3	80.00
PSIOB 102022	10 x 2 x 0.22	19.4	80.00
PSIOB 122022	12 x 2 x 0.22	20.0	80.00
PSIOB 142022	14 x 2 x 0.22	21.6	80.00
PSIOB 162022	16 x 2 x 0.22	22.6	80.00
PSIOB 242022	24 x 2 x 0.22	28.1	80.00
0.35 sq.mm (AWG 22)			
PSIOB 22035	2 x 2 x 0.35	11.6	50.50
PSIOB 32035	3 x 2 x 0.35	12.3	50.50
PSIOB 42035	4 x 2 x 0.35	12.9	50.50
PSIOB 62035	6 x 2 x 0.35	16.3	50.50
PSIOB 82035	8 x 2 x 0.35	17.9	50.50
PSIOB 102035	10 x 2 x 0.35	21.0	50.50
PSIOB 122035	12 x 2 x 0.35	22.0	50.50
PSIOB 142035	14 x 2 x 0.35	23.4	50.50
PSIOB 162035	16 x 2 x 0.35	24.7	50.50
PSIOB 242035	24 x 2 x 0.35	30.5	50.50
0.50 sq.mm (AWG 20)			
PSIOB 22050	2 x 2 x 0.50	13.5	40.90
PSIOB 32050	3 x 2 x 0.50	14.3	40.90
PSIOB 42050	4 x 2 x 0.50	15.8	40.90
PSIOB 62050	6 x 2 x 0.50	19.0	40.90
PSIOB 82050	8 x 2 x 0.50	20.8	40.90
PSIOB 102050	10 x 2 x 0.50	24.7	40.90
PSIOB 122050	12 x 2 x 0.50	25.7	40.90
PSIOB 142050	14 x 2 x 0.50	27.5	40.90
PSIOB 162050	16 x 2 x 0.50	28.9	40.90
PSIOB 242050	24 x 2 x 0.50	36.1	40.90

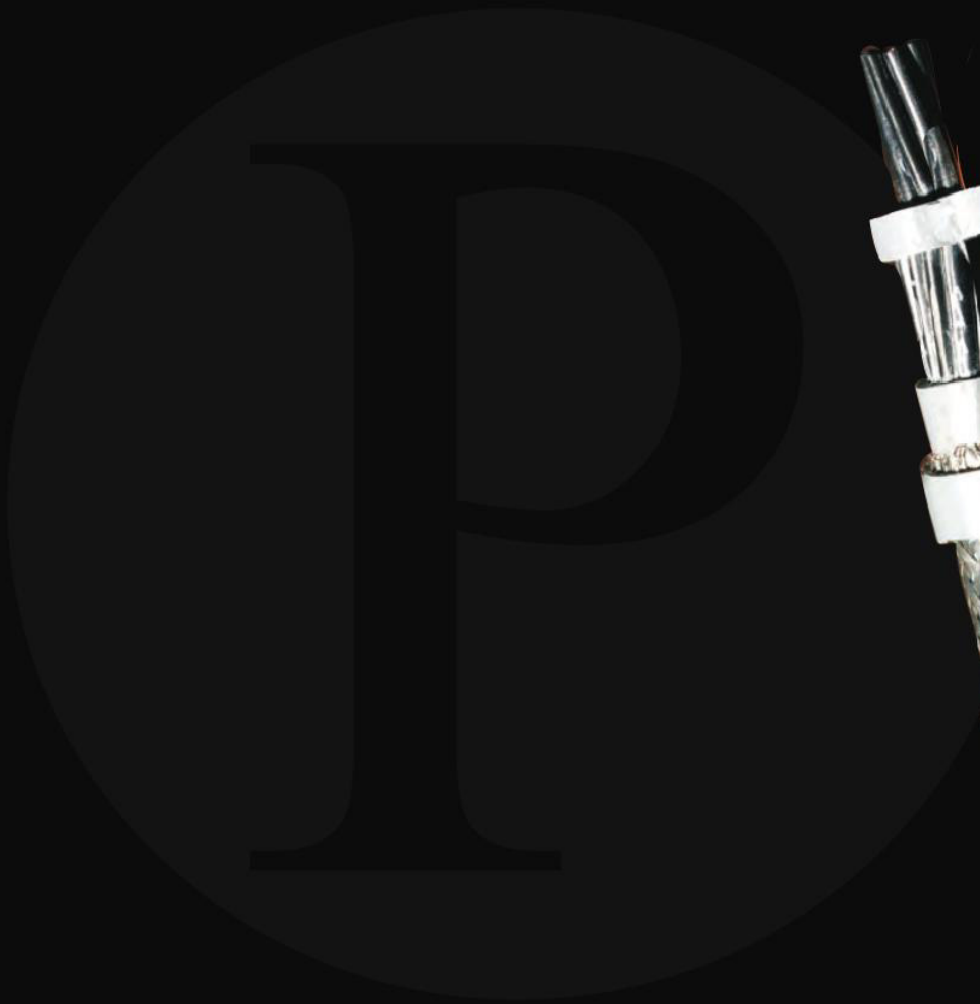
Note : The following can also be available if required:

1. Higher sizes / Pairs .
- 2 FR / HR-FR / PE Insulation material.
3. FRLS / LSZH Outersheath
4. Armoured Versions ..

“PARASHIELD” Industrial Automation Data Cables

Part No	Cable Type	Insulation Material	Jacket Material	Shielding	Conductor/stranding (AWG)	Nom-Impedance (ohm)	NO. of Pairs	Cables Diameter (mm)
PSIARG6	Control Net (RG-6/U Type)	Foam PE	PVC Black	Foil + 60% Al braid + Foil + 40% Al Braid	18 (Solid) Bare Copperweld	75	-	7.57
PSIARS122 PSIARS1522 PSIARS222	RS-485	Foam HDPE	PVC Black	Foil + 90% Al braid +	22(7x30) Tinned Copper	120	1	7.21
							1.5 (3 core)	7.62
PSIARS322							2	9.04
PSIARS422							3	10.52
							4	11.38
PSIADTH2 PSIAMB122	Device Net Class2 Thick	Power:PVC Data: FPE	PVC Grey	Individual foil + 65% TC Braid Overall	Power : 15 (19x28) Date: 18 (19x36) Tinned Copper	120	2	12.19
PSIADTN2	Device Net Class 2 Thin	Power: PVC Data: FPE	PVC Grey	Individual foil + 65% TC Braid Overall	Power: 22 (19x34) Date:24 (19x36) Tinned Copper	120	2	7.11
PSIAFA118	Fieldbus Type A	Polyolefin	PVC Orange	Foil	18 (7x26) Tinned copper	100	1	6.43
PSIAFB122	Fieldbus Type B	Polyolefin	PVC Orange	Foil	22(7x30) Tinned Copper	100	1	4.97
PSIAHF122	High Speed Fieldbus	Foam HDPE	PVC Orange	Foil	22(7x30) Tinned Copper	150	1	8.92
PSIAPBSD	Profibus DP	Foam HDPE	PVC Purple	Foil + 65% TC Braid	22(Solid) Bare copper	150	1	8.00
PSIAPBST					22(7x30) Bare Copper	150	1	8.00
PSIATWW118	Industrial Twinax	FRPP	PVC Blue	Foil + 55% TC Braid	18(7x26) Tinned Copper	78	1	8.2
PSIAMB122 PSIAMB222	Modbus Cables	Foam HDPE	PVC/ Grey	Foil+55% TC Braid	22(7x32)	120	1 2	6.50 10.10





Manufactured by:

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Reliability for performance,
Longevity for life

