

## Shielded Cables

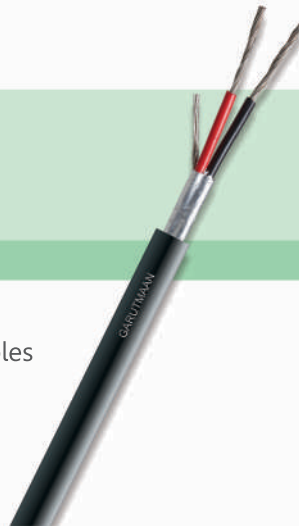


Multicore PVC Insulated and  
Sheathed Shielded Cables



## Shielded Cables

Multicore PVC Insulated and Sheathed Overall Shielded Cables



"Garutmaan" PVC insulated and sheathed Multicore Shielded cables are manufactured using high conductivity, electrolytic grade, bright, plain annealed bare or tinned copper conductors.

These cables generally conforming to BS 5308-2.

Shielded cables are normally manufactured with up to 4 cores, in sizes ranging from 0.5 to 2.5 mm<sup>2</sup>. Other constructions and sizes can be provided on customer demand.

These Cables can also be supplied with FR, HR, FRLS or ZHFR insulation and sheath if required.

### Technical Data :

Type	: Multicore Shielded Cables
Conductor	: Annealed Plain Copper / Annealed Tinned Copper (Class 2 / Class 5)
Insulation	: PVC
Assembly	: Cores are twisted together, in the form of a round assembly
Overall Screening	: Aluminium-Mylar tape with ATC drain wire
Sheath	: PVC
Standard Sheath Color	: Black
Ref. Specifications	: Generally as per BS 5308-2
Voltage Rating	: 300/500 V
Cable Range	: 0.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup> and up to 4 Cores
Normal Packing Length	: 100 m coils
Application	<ul style="list-style-type: none"> <li>• These cables are specially designed to transmit signals without any external interference.</li> <li>• Used in computer networking, digital control / measuring systems, A/D converters, etc..</li> <li>• The cables are designed to offer excellent resistance to noise &amp; induction phenomena encountered in instrumentation circuits.</li> </ul>

Parameter	Unit	Nominal Area Of Conductor (mm <sup>2</sup> )				
		0.5	0.75	1.0	1.5	2.5
Conductor Resistance at 20° C	Ω/km (Max.)	39.0	26.0	19.5	13.3	7.98
Insulation Resistance	MΩ/km (Min.)	1	1	1	1	1
Mutual Capacitance	Core to Core	pF/m (Max.)	250	250	250	250
	Core to Screen	pF/m (Max.)	450	450	450	450
L / R Ratio	μH/Ohm (Max.)	25	25	40	40	60
High Voltage Test	Core to Core	Volts (r. m. s.)	1000	1000	1000	1000
	Core to Screen	Volts (r. m. s.)	1000	1000	1000	1000

Garutmaan Item Code	Nominal Area of Copper Conductor	Number / Dia. of strands (Nom.)	Thickness of Insulation (Nom.)	Conductor Resistance @20°C (Max.)	Sheath Thickness (Nom.)			Overall Dia (Approx.)		
					2 core	3 core	4 core	2 cor	3 cor	4 core
	mm <sup>2</sup>	mm	mm	Ω/km	mm	mm	mm	mm	mm	mm
SHLDBSC26CC01	0.50	16/0.2	0.6	39.0	0.8	1.0	1.0	6.3	7.0	7.6
SHLDBSC26CC02	0.75	24/0.2	0.6	26.0	0.8	1.0	1.1	6.8	7.6	8.4
SHLDBSC26CC03	1.0	32/0.2	0.6	19.5	0.8	1.1	1.2	7.0	8.0	8.8
SHLDBSC26CC04	1.5	30/0.25	0.6	13.3	0.8	1.2	1.2	7.6	8.9	9.5
SHLDBSC26CC05	2.5	50/0.25	0.6	7.98	0.9	1.2	1.3	8.7	9.8	10.8

CC=02 for 2 Cores, CC= 03 for 3 Cores and CC= 04 for 4 Core Cables

Shielded cables can also be supplied with paired construction, with individual screening and/or overall screening, armoured or unarmoured.

Manufactured by :



**UNI-TECH**  
Automation Pvt. Ltd.

#### Regd. Office & Unit I :

S. No. 79/2, Plot No. 7, Shivane, Pune : 411023  
Maharashtra, India. Tel : +91-20-25292392  
info@uni-techautomation.com  
www.uni-techautomation.com

#### Unit II :

Gat No. 837, 838, Palshi Road,  
Off Pune- Bengaluru Highway, SHIRWAL,  
Taluka: Khandala, Dist: Satara : 412801  
Maharashtra, India