



## Shielded Cables



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Sheath Colour : Grey, Black and White

Conductor : Annealed Bare Copper as per IS 8130

Insulating PVC : PVC (Polyvinyl-Chloride)

Colour : Type A conforming to IS 5831

Shield : Aluminium Mylar taped wrapped, over all laid up cores alongwith annealed tinned copper drain wire. In case of multipairs / multitriads individual pair/triad is wrapped with Aluminium Mylar tape alongwith drain wire and identification of pair/triad is done by numbered black core.

PVC Sheath : Type ST-1 conforming to IS 5831.

HR, FR and FRLS sheathing can be provided as per requirement

Rated Voltage : 300 / 500V

Test Voltage : 1000 V A.C. for 1 minutes.

Min. Bending Radius : 6 times the overall diameter of cable

Tensile Strength : 12.50 N per sq. mm of PVC insulation and sheath

Max. Working Temp. : 70°C, also available for 85°C and 105°C as per requirement.

Max. Short Circuit Temp. : 160°C

Minimum Laying Temp. : -15°C

Application : Is suitable for interconnection of electrical measuring devices to instrument panel or instrument. Measuring, monitoring and control in machine tool manufacturing, in plant engineering, in all places where electrical interference fields can distort a signal transmission or where interference pulses arising in the mains must be confined.

### Specifications Of Shielded Cables

Sr.No.	No. Of Pairs x Cross sec. Sq.mm	Dia Of Conductor Strands mm	Finished Cable Dia mm(nom)	Approx Weight Kg/Km	Max. Electrical Resistance at 20°C (Ohm/km)
1	1 X 2 X 0.5	0.2	7.5	80	39
2	2 X 2 X 0.5	0.2	10.2	142	39
3	4 X 2 X 0.5	0.2	11.0	175	39
4	6 X 2 X 0.5	0.2	12.6	232	39
5	8 X 2 X 0.5	0.2	13.8	283	39
6	10 X 2 X 0.5	0.2	14.6	323	39
7	14 X 2 X 0.5	0.2	15.7	374	39
8	16 X 2 X 0.5	0.25	17.5	470	39
9	20 X 2 X 0.5	0.2	18.5	538	39
1	1 X 2 X 0.75	0.2	7.9	91	26
2	1 X 2 X 0.75	0.2	10.6	158	26
3	1 X 2 X 0.75	0.2	11.7	206	26
5	1 X 2 X 0.75	0.2	14.6	334	26
6	1 X 2 X 0.75	0.2	15.8	396	26
7	1 X 2 X 0.75	0.2	17.0	462	26
8	1 X 2 X 0.75	0.2	19.0	585	26
9	1 X 2 X 0.75	0.2	21.5	741	26
1	1 X 2 X 1.5	0.25	8.8	127	13.3
2	1 X 2 X 1.5	0.25	11.7	223	13.3
3	1 X 2 X 1.5	0.25	13.5	333	13.3
4	1 X 2 X 1.5	0.25	16.0	475	13.3
5	1 X 2 X 1.5	0.25	16.8	563	13.3
6	1 X 2 X 1.5	0.25	19.3	782	13.3
7	1 X 2 X 1.5	0.25	22.0	1025	13.3
8	1 X 2 X 1.5	0.25	26.5	1506	13.3