



SUYOG ELECTRICALS LTD.

PRODUCT RANGE

- * Signal & Instrumentation Cables
- * Aerial Bunched Cables
- * Control & Power Cables (PVC & XLPE)
- * Extension Compensating Cable
- * Equipment & Machinery Control Cable
- * Cables For Industrial Electronics
- * Computer Cables
- * Flat Cables
- * Copper Braids
- * High Flexible Cables
- * Copper & Aluminum Ropes
- * Field Bus Cables
- * Rubber Cables
- * Kynar
- * Mining Cables For Mining
- * Thermo Plastic For Mining
- * Auto Cables
- * Coaxial Cables
- * Submersible Flat Cables

APPROVED & REGISTERED BY

- * BIS - IS : 1554 (I), IS : 694, IS 7098-IS : 14255
- * EIL
- * PDIL - Project & Development India Ltd.
- * MECON
- * TATA Consultant Ltd.
- * DoT
- * Dalal Consultants
- * Crompton Greaves
- * C-DOT
- * Railways
- * NPC
- * Indian Defence
- * SAIL
- * ABB
- * L&T
- * SIEMENS
- * IOCL
- * Department of Atomic Energy
- * BHEL
- * PGCIL - Power Grid Corporation of India
- * NTPC



www.seplcables.com

SUYOG ELECTRICALS LTD. An **ISO 9001-2000** Accredited Company, manufacturing various types of Power, Control, Instrumentation & Telecommunication Cable since last 22 year.

All **SEPL** Cables are thoroughly, inspected at each stage of production as per stringent Quality Assurance Plan. **SEPL** Cables have been recognized & approved by almost all leading Companies, Consultants & Government Agencies.

SINGLE CORE

In throw away Cardboard Box / Loose Coils

TECHNICAL DATA & CABLE STRUCTURE

Specification	: IS:694
Voltage Rating	: 1.1. KV
Test Voltage	: 3 KV AC, 7.2 KV DC
Insulation Resistance	: 36.6 M OHM x Km.
Bending Radius	: 12.5 x 15 x Cables Dia
Temperature	: -5°C to 85°C
Conductor	: IS:8130
Insulation	: +IS:5831
	ORDINARY - 70°C
	Heat Resistant - 85°C
	Flame Retardant - 85°C
	Flame Retardant Low smoke 70°C/85°C

APPLICATION

PVC Insulated Flexible & Stranded wires are use for connection of low voltage applications, like Panel's Electrical Assemblies, Switch Board cable harnesses. Single core cables are available with counter striped colour combinations to ensure Quick Recognition. The yellow-Green colour coding is available with banding colour helix.

Single core wires which are used in Public Places. Commercial Complex, Domestic & house wiring are also available with Flame Retardant Low Smoke PVC FRLS & FR & PVC Insulation.

COMPENSATING CABLE



TECHNICAL DATA & CABLE STRUCTURE

Specification	: ANSI, 96.1 IS:8784
Conductor of type	: TX, JX, KX, RX
Insulation	: PVC (70°C, 85°C), FR
Core Identification	: ANSI 96.1
Shielding	: Aluminium Type with Drain wire
Armouring	: GI Wire/strip
Sheath	: 70°C, FR, FRLS

APPLICATION

Compensating cable are essential wherever it is necessary to carry out precise temperature measurement at a remote measuring point.

They serve as extension leads from the thermocouple to the measuring station.

POWER & CONTROL CABLES

(PVC & XLPE Insulated)



TECHNICAL DATA & CABLE STRUCTURE

Specification	: IS:1554 (Part I) & IS 7098 (I)
Voltage Rating	: 1.1 KV/3.3 KV
Test Voltage	: 3 KV AC, 7.2 KV DC
Insulation Resistance	: 36.6 M OHM x Km.
Bending Radius	: 12 x Cable OD (Armoured) 15 x Cable OD (Unarmoured)
Temperature	: 15°C to 85°C
Over load Temperature	: 95°C to 105°C
Max Short Circuit Temperature	: 160°C

APPLICATION

For Distribution of power & Signals in outdoor & indoor conditions.

For Control System, utility network, railway, Signalign, refineries, Petrochem etc.

In Fire hazard, Indoor Areas, FRLS CABLES are installed & in outdoor condition. FR Cables are installed.

For mining application, armour resistance shall not exceed the Conductor resistance as mentioned in IS : 8130 by more than 33%

INSTRUMENTATION CABLES / SIGNAL CABLES



TECHNICAL DATA & CABLE STRUCTURE

(Available in Pairs & Traids)

Specification	: B.S. - 5308 (ii), EIL 6-52-46
Voltage Rating	: 600 V, 300 V, 100V
Test Voltage	: Core to Core - 1 KV 25 M OHM KM
Insulation Resistance	: 250 PF (Core to Core)
Mutual Capacitance	: 400 PF (Core to Screen)
Capacitance	: Bare/Tinned Copper
Conductor	: PVC (70°C, 85°C)
Insulation	: Short Pitch
Twisted Pairs	
Individual & or	
Collective Screen	: Aluminium backed myler taped with drain wire
Inner Sheath	: PVC (FR, FRLS, Ordinary)
Armour	: GI Wire/Strips (IS 1554 (I)
Outer Sheath	: PVC (FR, FRLS, Ordinary)
Colour	: Blue for Instrinsically safe ckt

APPLICATION

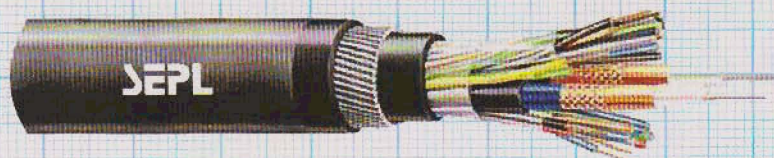
For Signal & Data Transmission used in Measurement & Control Technology such as in Control Room at Industrial Plants, Power station, refineries, Petrochemicals, Used for underground (outdoor) as well as indoor application.

Twisted pair Construction with short pitch & individual Aluminium tape shielding, offers, excellent Immunity to Cross Talk & low frequency (up to 10 kHz) Electro static & Electro magnetic interference.



TELEPHONE CABLE

SWITCH BOARD CABLES & (Jumper Wires)



TECHNICAL DATA & CABLE STRUCTURE

Specification-Dot	: G/Wir 06-02
Conductor	: Annealed Tinned copper (ITD SPECS)
Insulation	: PVD (ITD SPECS)
Paring	: Twisted pairs to reduce Cross talk Between cable Pairs.
Colour Code	: ITD SPECS
Myler Type	: To prevent moisture
Aarmor	: GI Wire/Strip - IS : 1554
Sheath	: PVC (ITD) SPECS

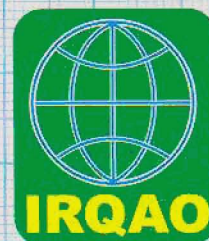
APPLICATION

Suitable for inside use for connecting the telephone extensions to telephone exchange of central office & as well ad for industrial plants.

These cables are available with 0.4, 0.5, 0.6, 0.7 mm. conductor, Cables can be applied with armouring for mechanical protection.

FLEXIBLE CABLE

Number Coded & Colour Coded



TECHNICAL DATA & CABLE STRUCTURE

Specification	: IS - 694
Voltage Rating :	: 1.1 Kv.
Test Voltage	: 3 KV/& 2KV DC
Insulation Resistance	: 36.6 M OHM KM
Bending Radius	: 8 x Cable Dia

APPLICATION

Used as Measuring & Control cables in Tool machines, Production line, Textile machines, Air conditioning, Domestic appliances etc.

The cores are number printed to avoid difficulty in recognizing & easy termination. Extra soft PVC sheath guarantees easy handling & fast installation. Available in any colour suitable to match m/c.



SUYOG ELECTRICALS LTD.

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