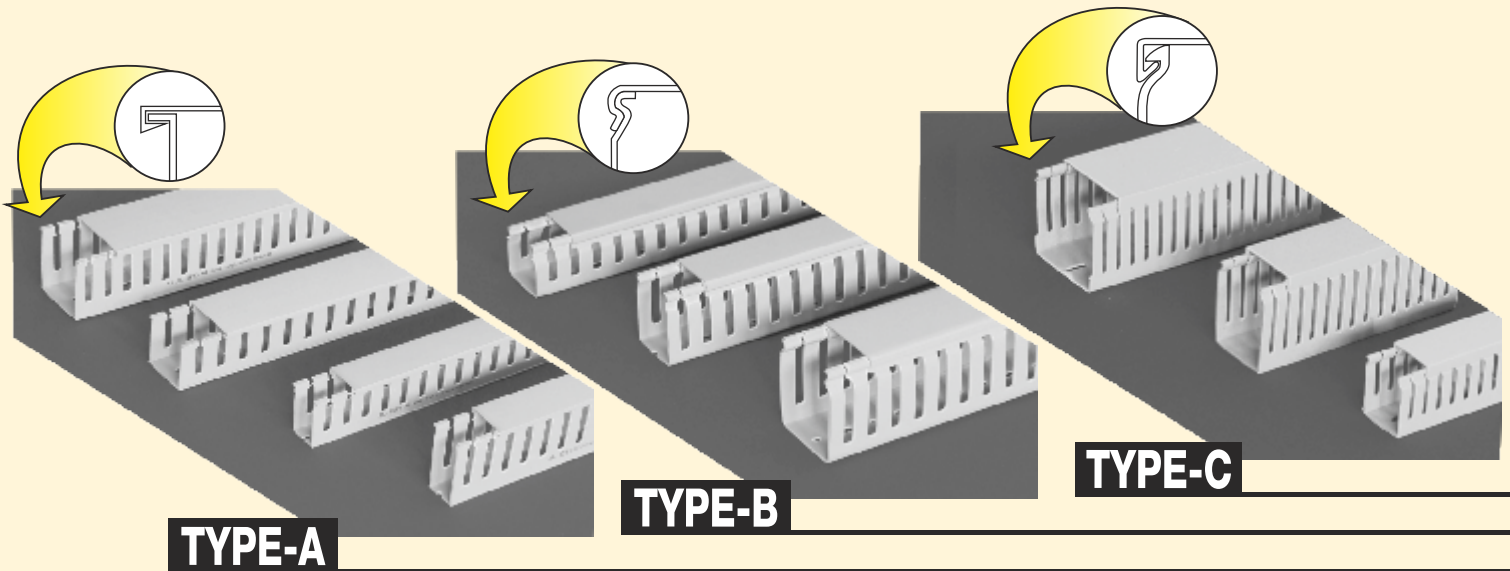


# SFX



## PVC WIRING CHANNELS (CABLE DUCTS)



**TYPE-A**

**TYPE-B**

**TYPE-C**

We introduce ourselves as manufactures of THE **SFX** BRAND of high Quality PVC Channels.  
We adhere to international standards in all processes of manufacturing, thus ensuring a product which meets the highest level of Quality & Safety.

Our salient features are :

- ❖ Made of Rigid Poly Vinyl Chloride (PVC) of high Tensile & Compressive Strength.
- ❖ Highly durable, will not Crack, Peel or Chip, also resistant to Oil, Fungus, Salt Solutions etc.
- ❖ Non Brittle, Non Inflammable and also Warp Proof.
- ❖ Fast & Efficient locking Guaranteed because of Specially Designed Duct & Cover.
- ❖ Slotting Patterns Prevents Wire from Popping up, While Removing Cover.
- ❖ Elongated Slots at the Bottom makes Flexible Mounting Possible.
- ❖ Special orders regarding Colours, Length or Modification of Existing range can be manufactured as per your Specification on requirement.

Please do call on us with your queries, it would give us immense pleasure to be of service to you.

*A Whole New Dimension in Quality*

### Ultra Polymers

Survey No. 338/1-C, Nr. Patel Cricket Ground,  
Kachigam, Daman 396 210. (UT) INDIA

TEL: +91-260-2240463-64 FAX: +91-260-2240465

E-MAIL: nishioplastic@yahoo.co.in • ultrapolymers@yahoo.co.in

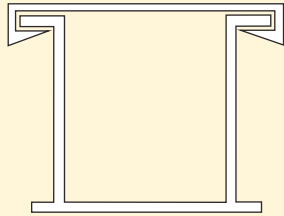
WEBSITE: www.sfx-products.com

#### Our Other Products -

- ▶ PVC TRUNKING
- ▶ PVC CONDUIT PIPES
- ▶ PVC HEAT SHRINKABLE BUS BAR SLEEVE
- ▶ BUS BAR (Copper & Aluminium)
- ▶ SHEET METAL ENCLOSURE SOLUTION FOR ALL INDUSTRY

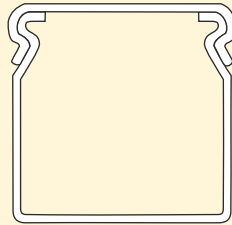


### TYPE - A



WIDTH

### TYPE - B

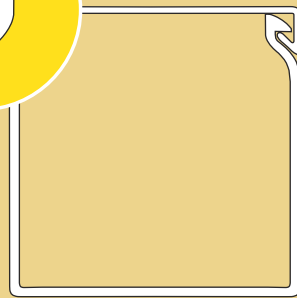


WIDTH

HEIGHT

Sr. No.	Section Size Height X Width (mm <sup>2</sup> )	Single Core Unsheathed Cable Cable Housing Capacity No of Wires		
		OD 2.95 mm 1.5 mm <sup>2</sup>	OD 3.65 mm 2.5 mm <sup>2</sup>	OD 4.35 mm 4 mm <sup>2</sup>
1	15 X 15	13	8	6
2	15 X 25	22	14	10
3	25 X 25	36	23	17
4	30 X 25	43	28	20
5	40 X 30	69	45	32
6	45 X 25	65	42	30
7	45 X 30	78	51	36
8	45 X 45	116	76	54
9	45 X 60	155	101	71
10	60 X 25	86	56	40
11	60 X 45	155	101	71
12	60 X 60	207	135	95
13	75 X 25	108	70	50
14	75 X 45	194	126	89
15	75 X 60	225	165	128
16	75 X 75	323	211	149
17	100 X 75	431	281	198
18	100 X 100	575	375	264

### TYPE - C



WIDTH

HEIGHT

Standard Length : 1 mtr.  
Standard Colour : Grey.

Sl. No.	Channel with Cover W x H (mm)	Cable Housing Capacity (Nos)		
		1.5 mm <sup>2</sup> OD 3.18mm (16 AWG)	2.5 mm <sup>2</sup> OD 3.53mm (14 AWG)	4.0 mm <sup>2</sup> OD 4.01mm (12 AWG)
1	25 x 25	19	15	12
2	25 x 30	37	30	23
3	25 x 40	48	39	31
4	25 x 60	72	57	45
5	25 x 80	92	75	59
6	25 x 100	126	105	81
7	40 x 40	81	65	51
8	40 x 60	121	98	77
9	40 x 80	160	130	102
10	40 x 100	200	164	128
11	60 x 60	180	146	114
12	60 x 80	246	199	156
13	60 x 100	308	247	194
14	80 x 60	251	203	159
15	80 x 80	337	272	214
16	80 x 100	416	332	248
17	100 x 80	425	344	270
18	100 x 100	531	429	336
19	150 x 100	805	653	512

## New Development : FRLS Grade Channels in all Sizes

### SPECIFICATIONS - POLYVINYL CHLORIDE (PVC)

#### Physical Properties Measured at 23°C

Specific Gravity	: 1.4	Water Absorption	: 0.10% in 24 hrs.
Compressive Strength	: 540 kg/cm <sup>2</sup>	Hardness	: 70 Duro D
Tensile Strength	: 390 kg/cm <sup>2</sup>	Dielectric Constant	: 1.7 (60cps at 30°C)
Flexural Strength	: 727 kg/cm <sup>2</sup>	Power Factor	: 2.52 (60 cps at 30°C)
Impact Resistance	: 3.6 cm kg/cm <sup>2</sup>	Dielectric Strength	: 30 Kv/mm
Working Temperature	: 65°C and below	Burning Rate	: Self Extinguishing
Specific Heat	: 0.22 Cal/°C/gm	Modulus Elasticity in tension	: 19.800 kg/cm <sup>2</sup>
Thermal Expansion	: 0.063 mm/m°C		
Thermal Conductivity	: 4.0 Cal / secsq.cm/C°/cmx10 <sup>4</sup> )		

(For Guidance Only)



# SFX PVC TRUNKING (CABLE TRUNKING)

*A Whole New Dimension in Quality*

Available in both rectangular & square cross sections in four sizes.

Standard Length : 3 Meters  
Material : High Impact Strength Rigid PVC  
Colour : White  
Thickness : 2.00 to 2.50mm



## Typical specifications - Poly Vinyl Chloride Characteristics measured at - 23° C

Particulars	Test Method	Value	Units
Specific Gravity	ASTM D 1784	1.4	
Compressive Strength	ASTM D 695	540	Kg/cm <sup>2</sup>
Tensile Strength	ASTM D 638	390	Kg/cm <sup>2</sup>
Flexural Strength	ASTM D 790	727	Kg/cm <sup>2</sup>
Impact	-	3.6	cm Kg/cm <sup>2</sup>
Thermal Conductivity	ASTM D 177	4.0	Cal/Sec sq. Cm/° C/cm <sup>10</sup>
Working Temperature	-	70	°C
Specific Heat	-	0.22	Cal/° C/gm
Thermal Expansion	-	0.063	Mm/m °C
Burning Rate	ASTM D 635		Self Extinguishing
Modulus Elasticity in Tension	ASTM D 638	19,800	Kg/cm <sup>2</sup>
Water Absorption	ASTM D 570	0.10	% in 24 hrs.
Hardness	ASTM D 2240	70	Duro D
Dielectric Constant	ASTM D 150	1.7	60 cps at 30° C
Power Factor	ASTM D 150	2.52	60 cps at 30° C
Dielectric Strength	ASTM D 149	30	Kv/mm

### Manufacture

Trunking

### Appearance

The extruded components have a standard white finish. The moulding components are similar in appearance to the main body in standard white finish.

### Fire

The material used is non-flame propagating and a Class 1 spread of flame achieved when tested in accordance with the requirements of BS 476 Part-7

### Electrical

PVC used is non-conductive.

Dielectric Strength : 40 Kw/mm in TX Oil

Volume Resistivity : > 10 ohms at 50% RH and 23° C

### Workability

Ducts for cable management can be readily cut and drilled with hand tools.

### Strength

High Impact resistance under normal climatic conditions.

Charpy notched impact strength : 25 KJ/m<sup>2</sup>

Tensile Strength : At yield 34.62N/mm<sup>2</sup>

At Break 42.00 N/mm<sup>2</sup>

Density : 1.35 to 1.45

### Durability

PVC material used for ducts is resistant to vermin and termites.

It is stable and will maintain its performance characteristics in accordance with the specifications described above.

### Chemical Resistance

The material used is non-corrosive and not affected by sea water. It has excellent resistance to mineral acids, alkalis and detergents. It offers good resistance to alcohol but liable to attack from solvents such as ketones, aromatic and hydrocarbons.

### Thermal Properties

PVC formulation used in ducts for cable management can withstand local thermal expansion and construction when installed in accordance with the installation guide.

Co-efficient of linear expansion :

5.5 x 10 per °C (6mm x 4000mm with a temperature of 25° C)

Operating Temperatures :-5°C to 60°C

Vicat Softening point : 81 C

Thermal Conductivity : 0.9w/m/°C

# SFX

## Ultra Polymers

Survey No. 338/1-C, Nr. Patel Cricket Ground,  
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TEL: +91-260-2240463-64 FAX : +91-260-2240465

E-MAIL : nishiplastic@yahoo.co.in • ultrapolymers@yahoo.co.in

WEBSITE : www.sfx-products.com

### Our Other Products -

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- ▶ PVC CONDUIT PIPES
- ▶ PVC HEAT SHRINKABLE BUS BAR SLEEVE
- ▶ BUS BAR (Copper & Aluminium)
- ▶ SHEET METAL ENCLOSURE SOLUTION FOR ALL INDUSTRY

# SFX



## PVC CONDUIT PIPES

*A Whole New Dimension in Quality*

**Our Company is manufacturing Various sizes of PVC Conduit pipes in Light Weight, Medium Weight and Heavy Weight from 16mm to 63mm OD size according to ISI norms that is used in Concealed Electrical Wiring.**

**These conduits are precisely made by advance machinery, premium grade raw material and experienced experts.**

**We can also manufacture conduits in different Diameter, Length and Colour as per the requirements of clients,**

**Ultra Polymers**

# SFX

## PVC CONDUIT PIPES

### Product List

#### ROUND CONDUIT ( LIGHT WEIGHT ) in mm

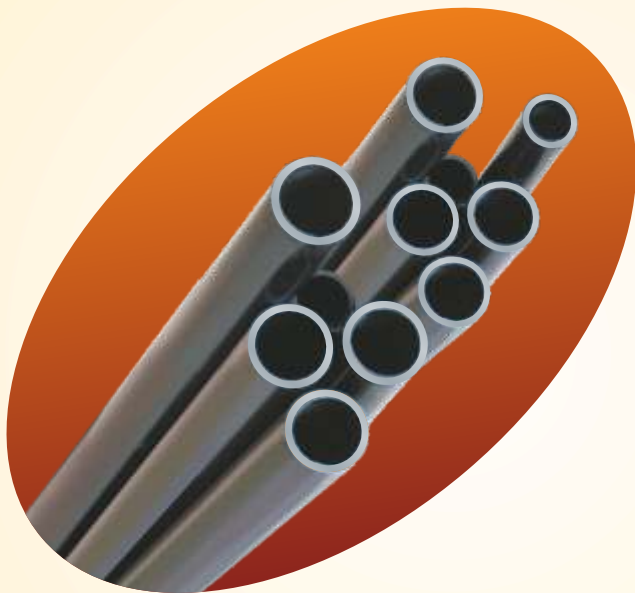
Product Code	Size Outer Dia	Tolerance on OD	Inside Dia. Min.	Standard Pack
SFX 16L	16	-0.3	13.7	100 x 3m
SFX 20L	20	-0.3	17.4	100 x 3m
SFX 25L	25	-0.4	22.1	100 x 3m
SFX 32L	32	-0.4	28.6	50 x 3m
SFX 40L	40	-0.4	35.8	25 x 3m
SFX 50L	50	-0.5	45.1	20 x 3m
SFX 63L	63	-0.6	57.0	10 x 3m

#### ROUND CONDUIT ( MEDIUM WEIGHT ) in mm

Product Code	Size Outer Dia	Tolerance on OD	Inside Dia. Min.	Standard Pack
SFX 16M	16	-0.3	13	100 x 3m
SFX 20M	20	-0.3	16.9	100 x 3m
SFX 25M	25	-0.4	21.4	100 x 3m
SFX 32M	32	-0.4	27.8	50 x 3m
SFX 40M	40	-0.4	35.4	25 x 3m
SFX 50M	50	-0.5	44.3	20 x 3m

#### ROUND CONDUIT ( HEAVY WEIGHT ) in mm

Product Code	Size Outer Dia	Tolerance on OD	Inside Dia. Min.	Standard Pack
SFX 16H	16	-0.3	12.2	100 x 3m
SFX 20H	20	-0.3	15.8	100 x 3m
SFX 25H	25	-0.4	20.6	50 x 3m
SFX 32H	32	-0.4	26.6	50 x 3m
SFX 40H	40	-0.4	34.4	25 x 3m
SFX 50H	50	-0.5	43.2	20 x 3m



## Ultra Polymers

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Kachigam, Daman 396 210. (UT) INDIA

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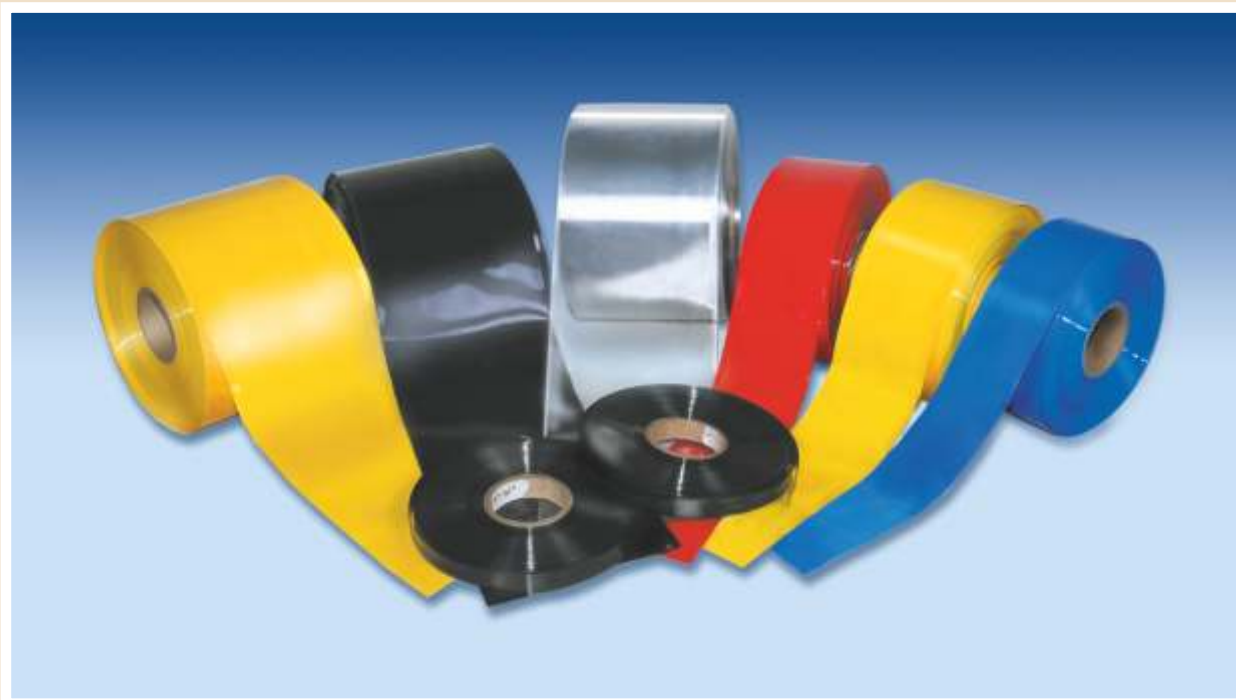
E-MAIL: nishiplastic@yahoo.co.in • ultrapolymers@yahoo.co.in

WEBSITE: www.sfx-products.com

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**SFX**



**PVC HEAT SHRINKABLE  
LAY-FLAT TUBINGS**

## PVC HEAT SHRINKABLE LAY-FLAT TUBING FOR BUS BARS

Sr. No.	Size	Suitable for Bus Bars (Size in mm)
1	17 mm	8x4, 6x6, 10x3
2	20 mm	12x3, 9x6
3	25 mm	15x3, 12x6
4	30 mm	20x3, 16x6, 16x3
5	35 mm	25x3, 20x6
6	41 mm	26x6, 25x9
7	48 mm	30x10, 30x6, 25x12
8	55 mm	36x6, 30x12
9	61 mm	40x10, 40x6, 38x12, 36x9
10	73 mm	50x6
11	81 mm	50x12, 50x10
12	85 mm	60x6
13	93 mm	75x6
14	103 mm	75x12
15	110 mm	90x2, 90x6
16	128 mm	100x9, 100x6
17	140 mm	100x12
18	170 mm	125x10, 125x6
19	190 mm	150x12, 150x10, 150x6
20	210 mm	175x12, 175x10, 175x6
21	230 mm	200x12

### Bus Bar Application :

It provides perfect electrical insulation to be bus bars of low tension systems in control panels and switchgear systems.

### Properties :

- Working Temperature	- 90°C
- Dielectric Strength	- 20 Kv/mm
- Insulation Resistance	- 20 x 10 <sup>10</sup> ohms at 500 V DC
- Tensile Strength	- Min 400 kg/cm
- Ultimate Elongation	- Min 11%
- Chemical Resistance	- Good
- Fire Resistance	- Self Extinguishing
- Shrinking Temperature	- 150°C - 170°C for 4 - 5 minutes
- Mechanical Strength	- Excellent
- Heat Dissipation	- Excellent

**Thickness : 160 To 180 Micron**  
**Colour : Red, Yellow, Blue, Black**  
**Unit : 50 Meters Roll**

*Heat shrinkable sleeving method of providing insulation is the latest modern technology and is superior to conventional methods like taping, painting etc.*

# SFX

## DYNAMIC PLASTICS

Survey No 338/1-C, First Floor, Near Patel Cricket Ground,  
 Kachigam, Daman - 396 210. (U. T.) INDIA.  
 Tel.: (0260) 2240463, 2240464 Fax : 2240465  
 E-mail: nishiplastic@yahoo.co.in / ultrapolymers@yahoo.co.in  
 Web Site : www.sfx-products.com

### Our Other Products -

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- ▶ BUS BAR (Copper & Aluminium)
- ▶ SHEET METAL ENCLOSURE SOLUTION FOR ALL INDUSTRY





# **BUS BAR**

**(Copper & Aluminium)**



We adhere to international standards in all processes of manufacturing, thus ensuring a product which meets the highest level of Quality & Safety

## **Ultra Polymers** (UNIT - II)

Survey No. 339/B, Near Patel Cricket Ground, Kachigam, Daman - 396 210 (U.T.) India.

Tel. (0260) 2240463, 2240464 Fax : 2240465

E-mail : [ultrapolymers@yahoo.co.in](mailto:ultrapolymers@yahoo.co.in) / [nishiiplastic@yahoo.co.in](mailto:nishiiplastic@yahoo.co.in) Web Site : [www.sfx-products.com](http://www.sfx-products.com)

*A Whole New Dimension in Quality*

# SFX



Ultra Polymers  
(Unit-I), Daman



Ultra Polymers (Unit-I), Daman



Ultra Polymers (Unit-III), Daman



Derac Components P. Ltd. - Pune

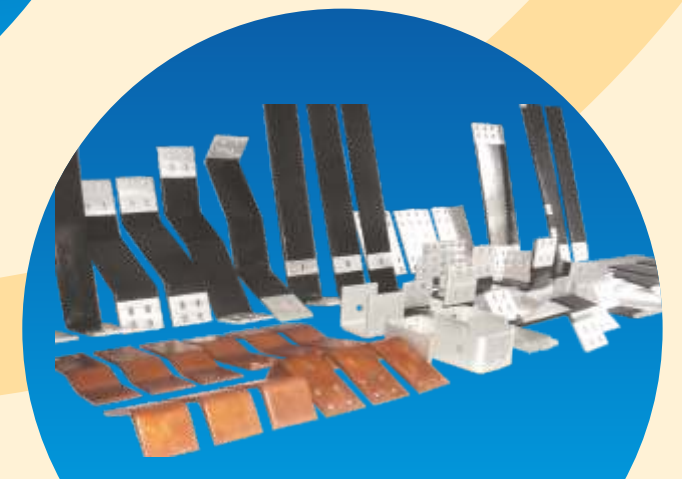
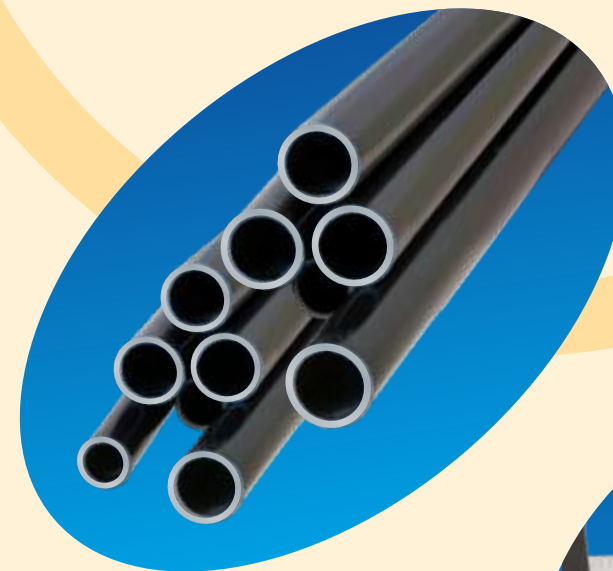
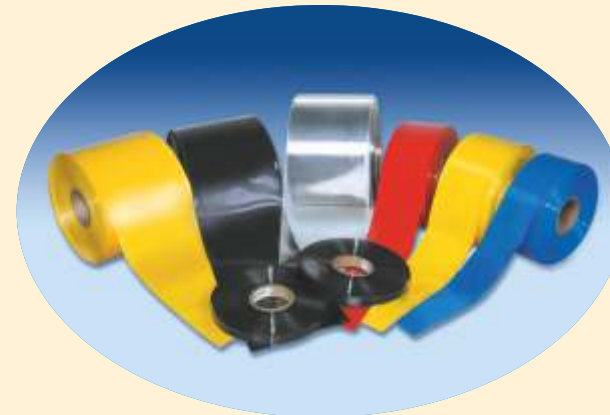
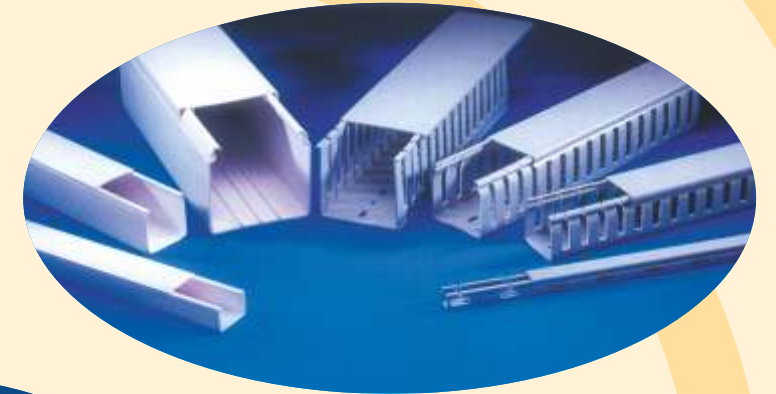
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# SFX

# SFX

PVC WIRING CHANNELS  
PVC TRUNKING  
PVC CONDUIT PIPES  
PVC HEAT SHRINKABLE BUS BAR SLEEVE  
BUS BAR (Copper & Aluminium)  
SHEET METAL ENCLOSURE SOLUTION FOR ALL INDUSTRY



## Ultra Polymers



## GROUP OF COMPANIES

### Ultra Polymers (Unit-I) PVC WIRING CHANNEL

Founded in the year 2000, Ultra Polymers has made an incredible mark for itself as a manufacturer of SFX Brand PVC Wiring Channels. Made from quality raw materials our products are known for their accuracy and reliability. We ensure that the raw materials are procured from trusted vendors and manufacturers. This results in our world class range comprising of all types of Wiring Channels.

Our Strengths : Some of the distinct factors that have contributed to our tremendous success are: Industry leading prices, Customization facility, Quality assurance, Cutting edge technology, Capacious warehouse, Suitable packing, Efficient distribution channels, Expedite delivery

### Ultra Polymers ( Unit II ) BUS BAR

Started in the year 2007 to manufacture Copper And Aluminium Bus bar with our commitment to meet the specific requirements of our customers and thereby achieving total satisfaction, we have made a mark amongst our many customers. Our expertise to custom manufacture the products as per the reference material provided by the customers also help us to match up to the requirements of our clients.

### Ultra Polymers (Unit III) PVC WIRING CHANNELS & CONDUIT PIPES

To meet ongoing demand for our SFX Brand PVC Channels, we have constructed 18000 Sq. Feet state of Art New factory with all Twin Screw Extrusion lines with online side punching facility which will give World class quality along with increase in manufacturing capacity by four times. We are also adding manufacturing facility for Conduit Pipes .

### Dynamic Plastics - PVC HEAT SHRINKABLE SLEEVE

Started in 2002 to manufacture PVC Heat Shrinkable Sleeve and tubing for packaging industries.

### DERAC COMPONENTS PVT. LTD. - An Enclosure Solution for IT and Telecom Industry

Located at Pune Ahmednagar Highway, our vast infrastructure comprises of a state-of-the-art production unit managed by a trained team. Our production unit encompasses a capacious shop floor that is replete with a modernized and completely computerized designing unit with Fully computerize AMADA Punching Press, LVD Bending Press, most sophisticated PLC Control Phosphatizing Plant, 186 Station Fully Automatic Powder Coating Plant . We also have a sophisticated fabrication unit and finishing department that are fitted with latest equipment for facilitating designing and fabrication work.