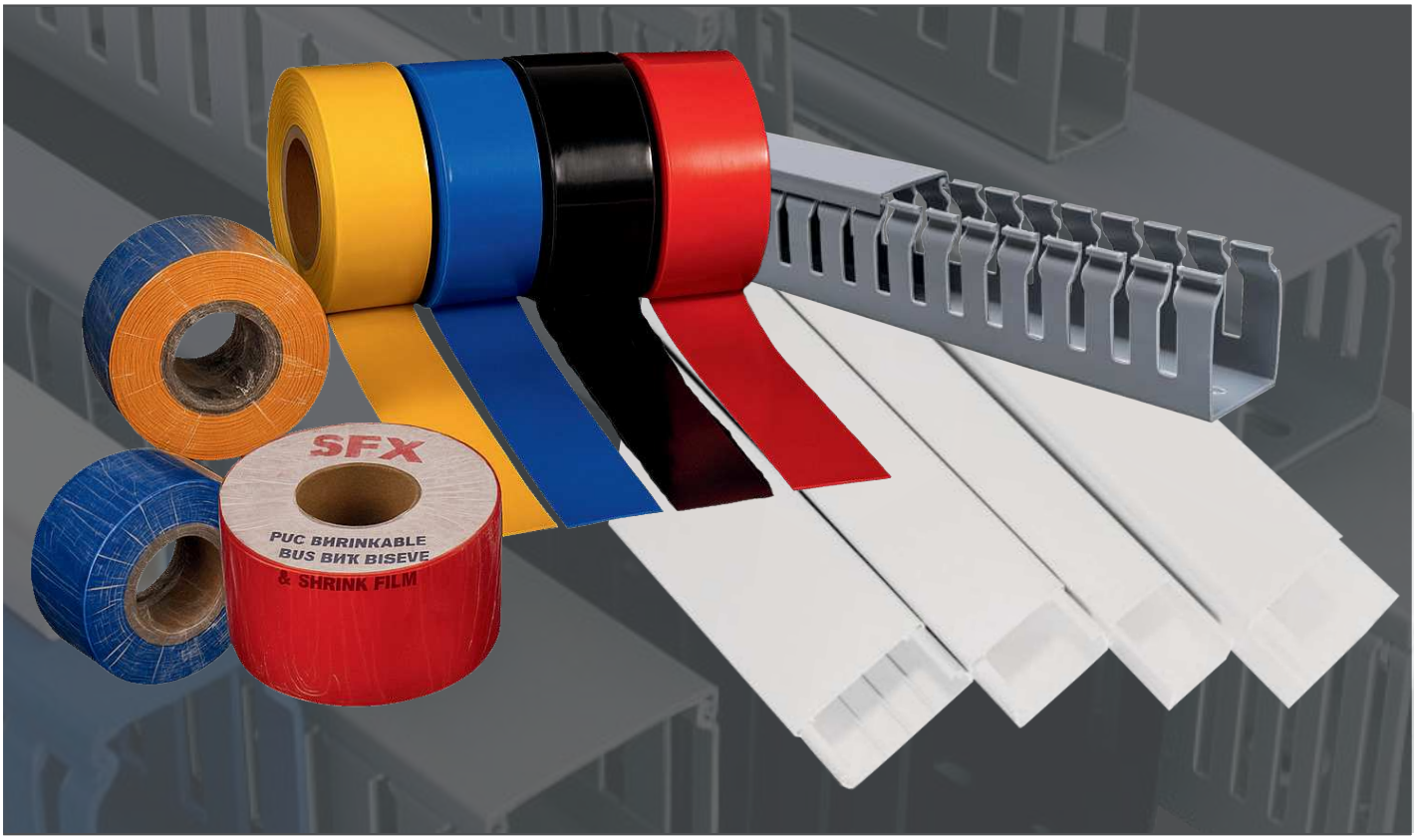
SFX

Simplifying Cable Routing



Complete Solutions for Cable Management & Wiring Excellence

Elevate Every Electrical Setup with Our Premium Cable Ducts & Channeling Innovations.

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About Us

SFX
Simplifying Cable Routing

Ultra Polymers, based in India, is a leading manufacturer of SFX brand products including Cable Ducts(Channels)(B-Type & C-Type), PVC Trunking, PVC Heat Shrinkable Bus Bar Sleeves.

Committed to strict internal standards, we ensure top-tier product quality and safety. With over a decade of experience, we focus on innovation, reliability, and cost-effective solutions—delivering excellence from design to delivery.



Why Choose Us?



- **Trusted SFX Brand**
  Leading manufacturer of premium wiring and cable management solutions
- **Complete Product Range**
  One-stop source for PVC Trunking, Ducts, Bus Bars Sleeves.
- **Unmatched Quality**
  Strict in-house standards for top-tier safety and performance.
- **Integrated Manufacturing**
  In-house design to delivery ensures efficiency and cost control.
- **Over a Decade of Experience**
  Proven expertise and consistent growth.
- **Fast & Reliable Service**
  Quick response with effective, tailored solutions.
- **Customer Focused**
  Committed to on-time delivery and full satisfaction.
- **Innovation Driven**
  Continuously improving products and processes.

Industries Being Served

Our expertise, transparent business practices, and commitment to quality have helped us build long-term associations with diverse industries such as :

- **Electrical**
- **Telecom**
- **Electronics**
- **Defence & Aviation**
- **Real Estate**
- **Railways**
- **IT/Networking**
- **Automation System**
- **Automobiles**
- **EV Charging Stations**



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Industrial Electrical Dealers

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Looking to Boost Your Profits by Up to 4X?

Tired of selling low-margin products?
Here's your opportunity to turn things around:

- Enjoy greater profit margins with minimal investment in wiring accessories.
- Access a wide range of products tailored to meet diverse customer needs.



All Electrical & Electronics Equipment Manufacturers

Why Manage Multiple Suppliers When You Can Get Everything in One Place?

For Electrical & Electronics Equipment Manufacturers (OEMs), coordinating with multiple vendors often leads to inconsistent quality, delays, and increased costs. **SFX** simplifies your sourcing process by being your single trusted source for premium components and solutions.

Complete Product Range

We offer everything from PVC Ducts & Trunking to wiring accessories Solutions, making us your one-stop source.

Uncompromised Quality

Our products meet CE, RoHS, and UL Certification Under process, ensuring safety, reliability, and compliance.

Time & Cost Savings

Eliminate vendor management headaches and reduce procurement time and costs with our all-in-one supply model.

Tailored Solutions

Engineered for residential, commercial, and industrial application customized to your needs.

Advanced Technology

Manufactured with cutting-edge technology to deliver long-lasting durability and performance.

Sustainability Focus

Eco-friendly manufacturing practices for a greener, more sustainable future.

Dedicated Support

Enjoy expert guidance and hassle-free service for all your cabling and wiring requirements.



One Partner. Endless Solutions.

Join Hands with SFX
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PVC Cable Ducts (Channels)

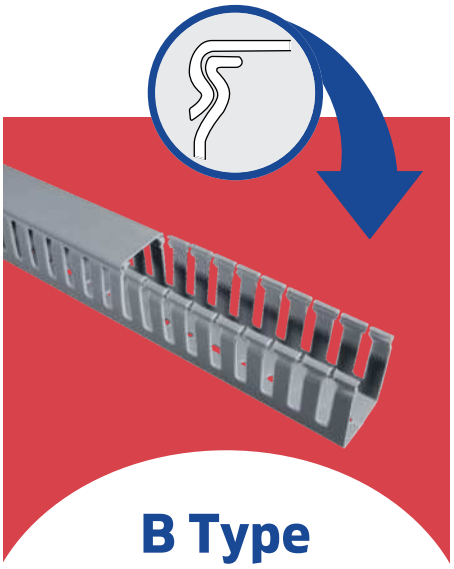
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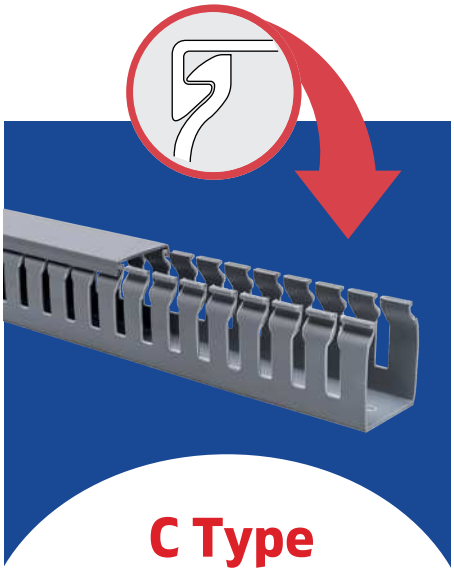
PVC Wiring Channels, commonly known as Cable Ducts(Channels), are essential components used in electrical installations to organize, protect, and route wiring systems efficiently. The SFX brand offers premium quality PVC Ducts in two types – B Type, and C Type, each engineered to meet specific wiring management needs with precision and safety.

Manufactured from rigid Poly Vinyl Chloride (PVC), these ducts are known for their high tensile and compressive strength, ensuring reliable performance even in demanding environments. Their robust construction resists cracking, peeling, chipping, and offers superior resistance to oil, fungus, salt solutions, and harsh environmental factors.

Key Features:

- **Durable & Tough:** Non-brittle, warp-proof, and non-flammable, ensuring long service life.
- **Smart Design:** Specially designed duct and cover allow fast and efficient locking.
- **Secure Fit:** Slotted patterns prevent wires from popping out when removing the cover.
- **Flexible Mounting:** Elongated slots on the bottom allow for easy, flexible installation.
- **Custom Options:** Available in various colors, lengths, and specifications to match customer requirements.





UL Certification Under process

New Development : ROHS & FRLS Grade Channels in all Sizes

SPECIFICATIONS - POLYVINYL CHLORIDE (PVC)

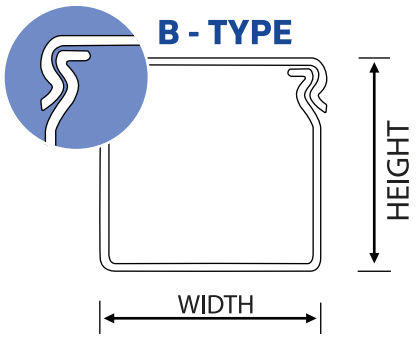
Physical Properties Measured at 23°C

Specific Gravity	: 1.4	Thermal Expansion	: 0.063 mm/m°C
Compressive Strength	: 540 kg/cm^2	Water Absorption	: 0.10% in 24 hrs.
Tensile Strength	: 390 kg/cm^2	Hardness	: 70 Duro D
Flexural Strength	: 727 kg/cm^2	Dielectric Constant	: 1.7 (60cps at 30°C)
Impact Resistance	: 3.6 cm kg/cm^2	Power Factor	: 2.52 (60cps at 30°C)
Working Temperature	: 65°C and below	Dielectric Strength	: 30 KV/mm
Specific Heat	: 0.22 Cal/°C/gm	Burning Rate	: Self Extinguishing
Thermal Conductivity	: 4.0 cal/(sec·cm^2·°C) × 10^4	Modulus Elasticity in tension	: 19.800 kg/cm^2

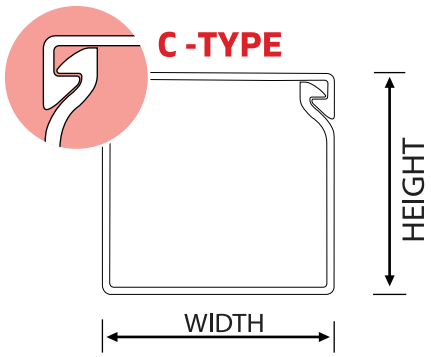
(For Guidance Only)

PVC Wiring Channels (Cable Ducts)

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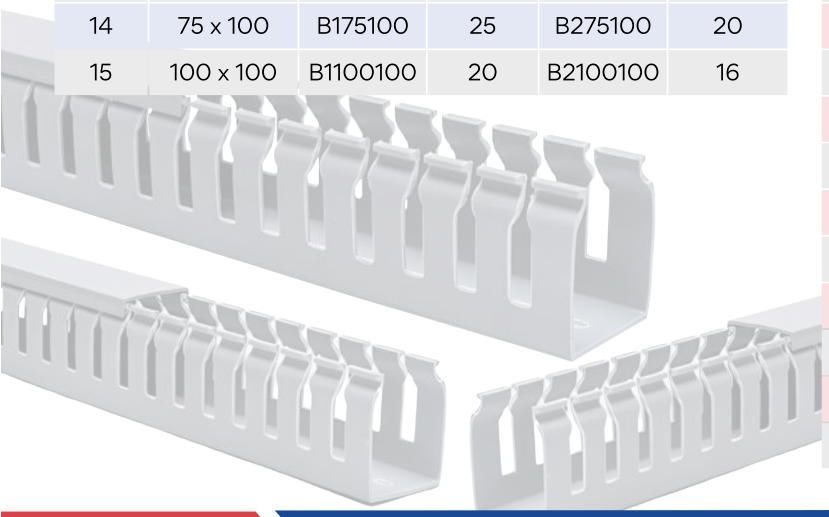


UL Certification Under process



Sr. No.	Size Width X Height (In MM)	For 1 Meter		For 2 Meter	
		Product Code	Standard Packing (In Nos)	Product Code	Standard Packing (In Nos)
1	25 x 25	B12525	100	B22525	70
2	25 x 30	B12530	100	B22530	70
3	30 x 40	B13040	100	B23040	70
4	25 x 45	B12545	100	B22545	70
5	30 x 45	B13045	100	B23045	60
6	45 x 45	B14545	80	B24545	60
7	60 x 45	B16045	60	B26045	60
8	25 x 60	B12560	100	B22560	60
9	45 x 60	B14560	60	B24560	50
10	25 x 75	B12575	80	B22575	50
11	45 x 75	B14575	50	B24575	40
12	60 x 75	B16075	40	B26075	30
13	75 x 75	B17575	35	B27575	20
14	75 x 100	B175100	25	B275100	20
15	100 x 100	B1100100	20	B2100100	16

Sr. No.	Size Width X Height (In MM)	For 1 Meter		For 2 Meter	
		Product Code	Standard Packing (In Nos)	Product Code	Standard Packing (In Nos)
1	25 x 25	C12525	100	C22525	70
2	25 x 30	C12530	100	C22530	70
3	25 x 40	C12540	100	C22540	50
4	40 x 40	C14040	100	C24040	60
5	25 x 45	C12545	100	C22545	70
6	45 x 45	C14545	80	C24545	60
7	60 x 45	C16045	70	C26045	40
8	25 x 60	C12560	100	C22560	60
9	40 x 60	C14060	80	C24060	50
10	45 x 60	C14560	70	C24560	40
11	60 x 60	C16060	50	C26060	40
12	80 x 60	C18060	40	C28060	30
13	25 x 80	C12580	80	C22580	50
14	40 x 80	C14080	50	C24080	50
15	60 x 80	C16080	40	C26080	30
16	80 x 80	C18080	35	C28080	30
17	100 x 80	C110080	30	C210080	20
18	25 x 100	C125100	50	C225100	50
19	40 x 100	C140100	50	C240100	36
20	60 x 100	C160100	40	C260100	24
21	80 x 100	C180100	30	C280100	20
22	100 x 100	C1100100	20	C2100100	16
23	150 x 100	C1150100	10	C2150100	10



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PVC Trunking (Cable Trunking)

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Available in rectangular and square cross-sections, with four size options.

- **Standard Length** : 2 Meters
- **Telecom** : High Impact Strength Rigid PVC
- **Colour** : White
- **Thickness** : 2.00 to 2.50 mm



50mm X 50mm (H x W)
(One cable divider can be used)



75mm X 75mm (H x W)
One Compartment
(One cable divider can be used)



75mm X 50mm (H x W)
One Compartment
(One cable divider can be used)



100mm X 50mm (H x W)
4 Compartments
using maximum 3 dividers

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^2
Tensile Strength	ASTM D 638	390	Kg / cm^2
Flexural Strength	ASTM D 790	727	Kg / cm^2
Impact	-	3.6	cm Kg / cm^2
Thermal Conductivity	ASTM D 177	4.0	Cal / Sec sq. cm / °C / cmx10
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^2
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^2. Tensile Strength: At yield 34.62N/mm^2
At Break 42.00 N/mm^2 Density: 1.35 to 1.45

Durability
PVC material used for Trunking 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

PVC Heat Shrinkable Bus Bar Sleeve

SFX
Simplifying Cable Routing

Bus Bar Application:

It offers excellent electrical insulation for Bus Bars in low-voltage systems, including control panels and switchgear assemblies.

- **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.



PROPERTIES

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

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

Get in Touch with SFX

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Let us help simplify your cable routing needs.



FOR MORE INFORMATION

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