

PRODUCT DESCRIPTION 产品概述

iTUNG Industrial Rigid PVC Wiring Duct & Cable Trunking is manufactured from premium lead-free, high-impact modified polyvinyl chloride. Engineered specifically for electrical control panels, switchgear, distribution boards, and data center structured cabling.

Featuring calibrated burr-free snap-off fingers and an anti-vibration non-slip snap-on lid, iTUNG cable ducts maintain structural integrity in high-density installations while enabling fast wire breakouts. Tested and trusted in mission-critical telecommunications infrastructure.

- ✓ UL94 V-0 Self-Extinguishing $\leq 10s$
- ✓ Flush Snap-Off Break Lines
- ✓ RoHS & REACH Eco-Compliant
- ✓ High Impact Rigid PVC (Lead-Free)
- ✓ Anti-Slip Non-Vibration Cover Lock
- ✓ High Dielectric Strength ≥ 25 kV/mm



Full Range: Slotted, Narrow Slot, Solid Wall

PHYSICAL, THERMAL & ELECTRICAL PROPERTIES 材料物理与电气性能参数

Parameter (参数)	Test Standard / Method	Guaranteed Value (保证值)
Base Material (材质)	ASTM D1784 / ISO 1163	Modified High-Impact Rigid Lead-Free PVC
Flammability Rating (阻燃等级)	UL 94 (Standard for Safety of Plastic)	UL94 V-0 (Self-extinguishing $\leq 10s$, non-dripping)
Glow Wire Flammability (灼热丝)	IEC 60695-2-11	960°C (1760°F) Ignitability Compliant
Working Temperature Range (使用温度)	Static Operational Range	-25°C to +75°C (-13°F to +167°F)
Vicat Softening Temperature (维卡软化点)	ISO 306 / ASTM D1525	$\geq 82^\circ\text{C}$ (180°F)
Dielectric Strength (介电击穿强度)	IEC 60243-1 / ASTM D149	≥ 25 kV/mm (High electrical insulation)
Volume Resistivity (体积电阻率)	IEC 60093 / ASTM D257	$\geq 1.0 \times 10^{15} \Omega \cdot \text{cm}$
Tensile Strength at Yield (拉伸屈服强度)	ISO 527-2 / ASTM D638	≥ 40 MPa
Impact Resistance (冲击韧性)	ISO 179-1 Charpy Unnotched	No break at 23°C (Tough, flexible fingers)
Environmental Compliance (环保合规)	EU Directive 2011/65/EU & (EU) 2015/863	RoHS & REACH Compliant (Lead, Cd, Hg, Cr-VI Free)

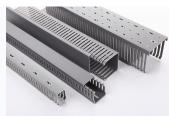
PROFILE CONFIGURATIONS 主推槽孔类型与应用



Standard Slotted (开孔宽齿)

Pitch: 8mm / Slot: 10mm

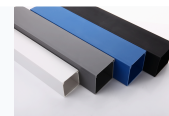
For general switchboards, control cabinets & standard wiring breakouts.



High-Density Narrow Slot (密齿)

Pitch: 4mm / Slot: 6mm

Engineered for compact PLC racks, dense terminal blocks & thin control cables.



Solid Wall Trunking (无孔封闭)

Unslotted Continuous Wall

For external wire routing, harsh environments, dust and moisture protection.

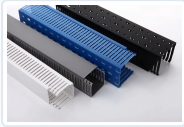


Ocean Freight Cost-Saving: Nested Space-Saving Packaging (套槽包装)

Because wiring ducts are hollow profiles, iTUNG provides verified nesting schemes (inserting small profiles into large profiles) saving up to **35% - 40% ocean freight volume (CBM)** per 20GP/40HQ container.

MOUNTING HOLE PATTERN & STRUCTURAL GEOMETRY

底孔冲孔标准与安装几何尺寸



DIN Standard Base Punching Pattern
Alternating slotted holes (4.5×15mm) & circular holes for quick DIN rail mounting without re-drilling.



Precision Calibrated Outer & Inner Wall Geometries
Non-slip lid locking tongue with double-break line at the finger base for burr-free snap removal.

CORE REPRESENTATIVE SPECIFICATION & PACKING MATRIX

核心代表规格选型与外贸装箱表（全系共50款规格）

ORDERING PART NUMBER SYSTEM:

IT - [Slot: S/N/W] - [Size: W×H] - [Color: GY/WH/BL/BK] - [Length: 20/29]

Example: IT-S-2525-GY-20 (25×25 Slotted 8mm, Gray, 2.0m SKU)

Base Series	Dimensions (W×H)	Slot & Part Number (Order Code: S=8mm / N=4mm / W=Solid)	Std. Length	Packing (m/ctn)	Pcs/Ctn	Color Codes
IT-1616	16 × 16 mm	IT-S-1616-□	2.0 m / 2.9 m	200 m	100 pcs	GY / WH / BL / BK
IT-2525 ★	25 × 25 mm	IT-S-2525-□ / IT-N-2525-□ / IT-W-2525-□	2.0 m / 2.9 m	120 m	60 pcs	GY / WH / BL / BK
IT-2540 ★	25 × 40 mm	IT-S-2540-□ / IT-N-2540-□	2.0 m / 2.9 m	112 m	56 pcs	GY / WH / BL / BK
IT-3050	30 × 50 mm	IT-S-3050-□ / IT-N-3050-□ / IT-W-3050-□	2.0 m / 2.9 m	84 m	42 pcs	GY / WH / BL / BK
IT-4040 ★	40 × 40 mm	IT-S-4040-□ / IT-N-4040-□ / IT-W-4040-□	2.0 m / 2.9 m	100 m	50 pcs	GY / WH / BL / BK
IT-4060 ★	40 × 60 mm	IT-S-4060-□ / IT-N-4060-□ / IT-W-4060-□	2.0 m / 2.9 m	72 m	36 pcs	GY / WH / BL / BK
IT-5050	50 × 50 mm	IT-S-5050-□ / IT-N-5050-□ / IT-W-5050-□	2.0 m / 2.9 m	60 m	30 pcs	GY / WH / BL / BK
IT-6080 ◆	60 × 80 mm	IT-S-6080-□ / IT-N-6080-□ / IT-W-6080-□	2.0 m / 2.9 m	32 m	16 pcs	GY / WH / BL / BK
IT-8080 ◆	80 × 80 mm	IT-S-8080-□ / IT-N-8080-□ / IT-W-8080-□	2.0 m / 2.9 m	24 m	12 pcs	GY / WH / BL / BK
IT-100100 ◆	100 × 100 mm	IT-S-100100-□ / IT-N-100100-□	2.0 m / 2.9 m	24 m	12 pcs	GY / WH / BL / BK

★ = Most popular | ◆ = Heavy-duty. Note: Above table lists 10 core representative models only (not the full catalog). Full 50 standard models (16×16 to 100×100mm) are available on our website (click "Show All 50 Models"). Replace [□] with color code (GY/WH/BL/BK).

COLOR OPTIONS & CUSTOMIZATION SERVICES

颜色选项与定制能力

Standard Color Palette



OEM & Value-Added Services

- Pre-applied 3M / foam adhesive backing tape.
- Custom laser engraving / continuous brand printing.
- Neutral 5-ply export master cartons with barcode labeling.
- Fast express sample kits shipped worldwide within 48h.

UL 94 V-0 Flame Retardant Standard	IEC 61084-2-1 Cable Trunking Systems	RoHS 2.0 Lead-Free Compliant	REACH EC 1907/2006 SVHC	ISO 9001:2015 Quality Management
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