



ENGINEERING CABLE DUCT

TO PROTECT SIGNAL, POWER
& COMMUNICATION CABLES



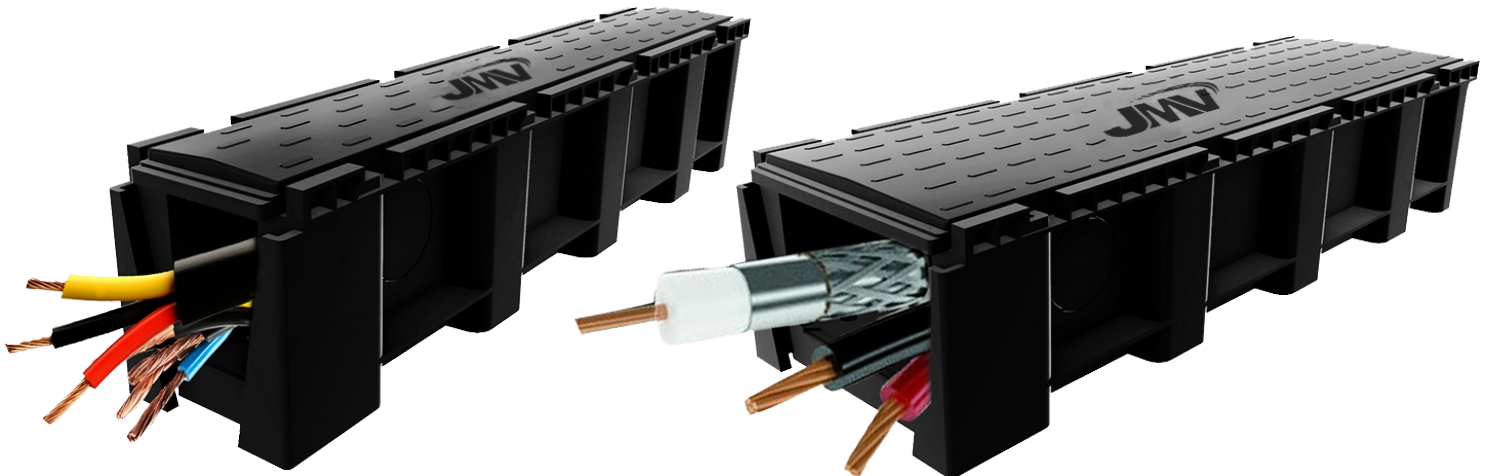
ABOUT COMPANY

We have moved beyond conventional techniques, such as concrete cable ducts and HDPE pipes or GI pipes, as cables tend to get damaged over time due to external factors such as extreme load and weather conditions. Our focus is on providing higher reliability and minimizing external factors' influence on power transmission and data exchange, which is critical for major industries are **SOLUTIONS FOR RAILWAYS, METROS, AIRPORTS, SUBSTATION, SOLAR, SMART CITIES, MODERN INFRASTRUCTURE,**

Polyolefin plastic cable ducts are highly effective in safeguarding signaling and telecommunication cables from damage due to external factors. These ducts are made from lightweight polyolefin material. It reduces the fault repair time due to easy access and has a high load-bearing capacity of up to **12 kN**.

WHY JMV's CABLE DUCT

- **High-quality:** Our cable ducts are made from durable and long-lasting materials that can withstand harsh conditions and heavy use.
- **Customizable options:** We offer a wide range of sizes and styles to meet the specific needs of different projects and applications.
- **Competitive pricing:** We strive to offer our customers the best value for their money by keeping our prices competitive.
- **Experienced team:** We have a team of experts with years of industry experience who can provide professional and knowledgeable assistance throughout the entire process.
- **Fast and efficient delivery:** We understand the importance of timely delivery in projects and we strive to get the products delivered to our customers as fast as possible.
- **Quality assurance:** Our products are manufactured in accordance with the highest industry standards to ensure that they are safe, reliable and of high quality.



KEY FEATURES



**Cable Safety against
JCB Excavation**



Anti-Rodent



UV Protection



High Load Bearing



Light Weight



Easy Transportation



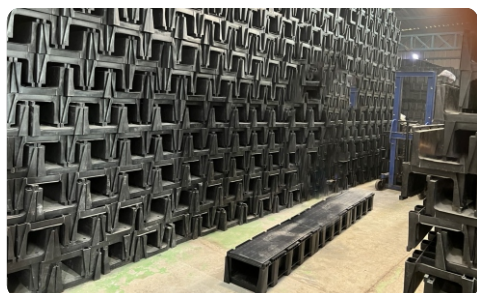
Fire Retardant



Easy Installation



Lock & Screw



Ease of Storage



High Dielectric Strength

Installations

These multi use cable duct have a wide range of application, It can be installed as per the user requirement.



On The Bridge



Below The Ground

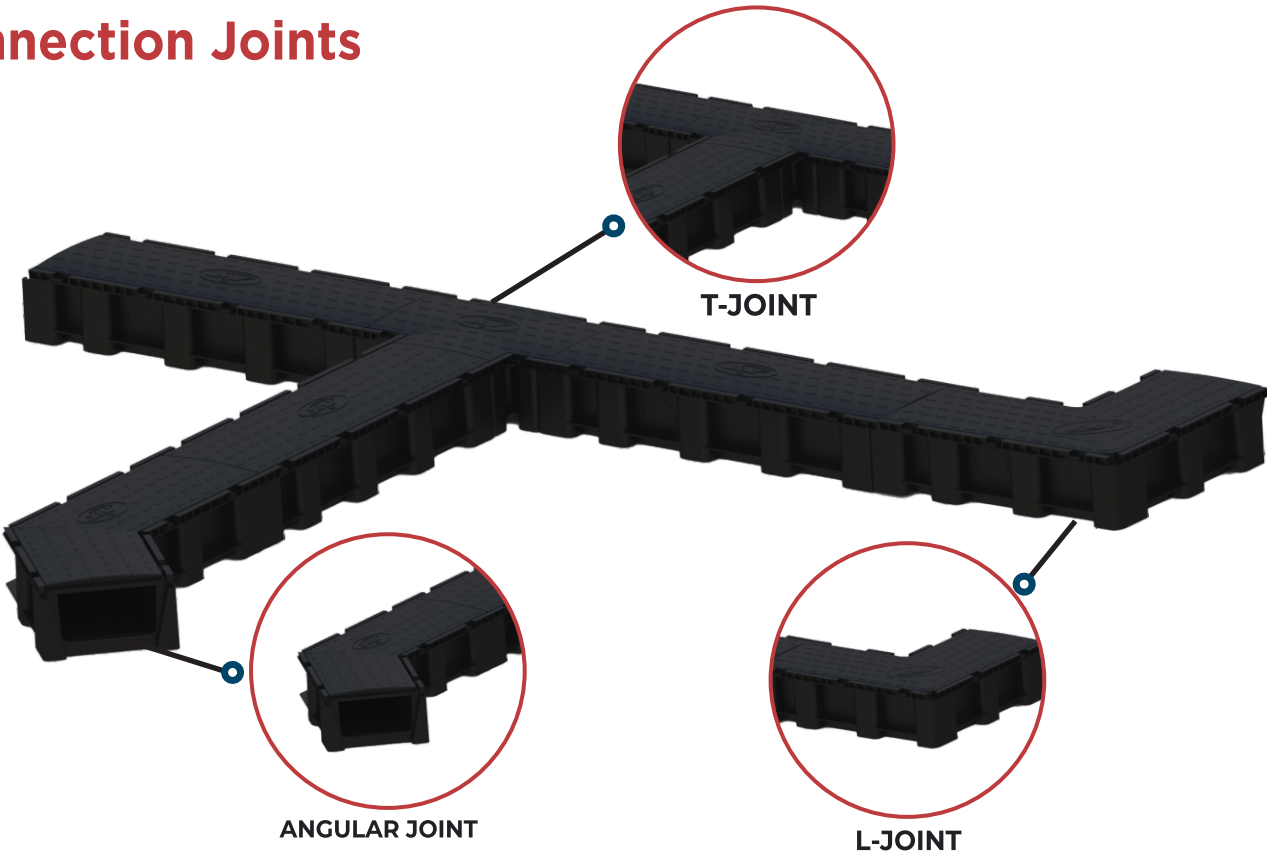


On The Ground





Above The Ground

Connection Joints



TYPE OF DUCTS

PRODUCTS		
WIDTH (INTERNAL/EXTERNAL)	240mm/340mm	100mm/200mm
HEIGHT (INTERNAL/EXTERNAL)	155mm/230mm	155mm/230mm
WEIGHT	8.5kg~	5.00kg~
LENGTH	1000mm	
BREAKING LOAD	≥12kN	
MATERIAL	Polyolefin/ Polymers/ Engineering Plastic	
FIRE BEHAVIOURS	Fire Protection Class K 1 in accordance and referenced with DIN-53438 Part-2	
THERMAL CHARACTERISTICS	Thermal Stability from -10 Degree to +70 Degree (as per IS9000- Part-2 and Part-3: 1977)	
ELECTRICAL CHARACTERISTICS	Dielectric Strength; 48kV (min breakdown voltage) as per IEC-60243-1-2013	
UV-RESISTANT	>30years	
TOLERANCE	(+/-) 10mm	

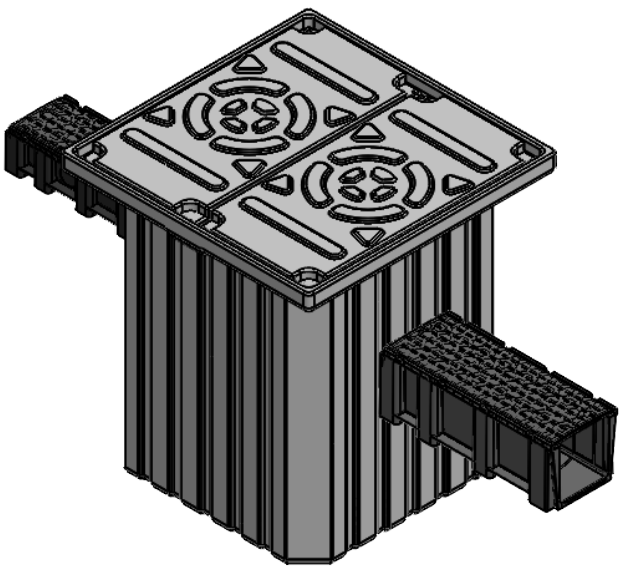
Specifications/ Standards

The specifications and standards for cable ducts vary depending on the specific application and location, but generally include guidelines for materials, size and fire retardant. These cable ducts are tested as per relevant standards such as IEC 60243, **IS 9000 part 2 & 3**, **UL 94/DIN 53438 part 2**.

PULL PIT CHAMBER

A pull pit chamber is an underground chamber that provides a secure and accessible location for the installation, maintenance, and management of cables. It acts as an entry point for cables into the ground and enables convenient access for future repairs or expansions and facilitates cable-pulling operations. Pull pit chambers are strategically positioned along the cable route to manage cables.

Pull pit chambers are typically made of **Polyolefin /Polymers /Engineering plastics/Thermoset Plastic/FRP** to ensure durability and resistance to environmental factors. The size of the chamber depends on the number and size of cables it needs to accommodate.



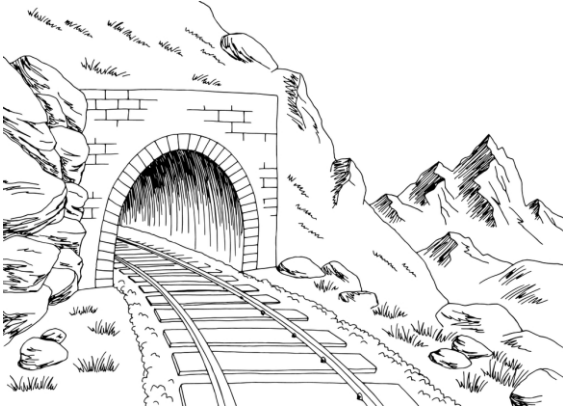
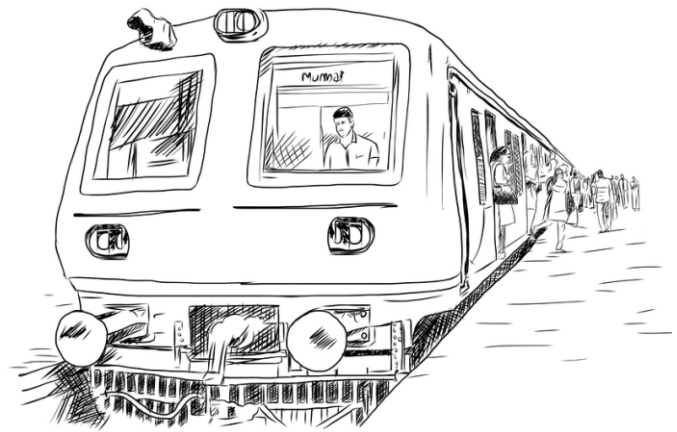
Technical Specification of Cable Pull Pit Chamber

Properties	Cable Pull Pit Chamber
WIDTH (INTERNAL/EXTERNAL)	1200mm/1300mm
HEIGHT (INTERNAL/EXTERNAL)	1500mm/1550mm
WEIGHTS PER MT/PC (INCLUDING BOTTOM AND TOP COVER)	125.00 kg (Minimum)
LENGTH PER PC / PER MTR	1200mm/1300mm
MATERIAL	Polyolefin /Polymers/ Engineering plastics/ Thermoset Plastic/FRP
BREAKING LOAD	≥12 KN, at room Temperature, over the specified surface area of: 250mm x 150mm
THERMAL CHARACTERISTICS	Thermal stability from -10 degree to + 70 degree As per IS 9000- part- 2 & part- 3 :1977 Electrical Characteristics
ELECTRICAL CHARACTERISTICS	Dielectric Strength: 48 kV (Min breakdown voltage) as per IEC-60243- 1-2013
TOLERANCE IN DIMENSIONS	(+/-) 10mm

- The cable ducts and cable pull pit chamber should be interconnectable to connect each other with male/female swallowtail connections with suitable detachable/ push pit cover and the duct cover should be lockable.
- Chambers should ensure adequate strength, no water logging, safety of cables providing durability, maintainability etc.

APPLICATIONS

REUSE
REDUCE
RECYCLE



- RAILWAYS
- METROS
- AIRPORTS
- SUBSTATIONS
- TUNNELS
- SOLAR
- SMART CITIES
- MODERN INFRA





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