



ZESTER[®]
Connection India Ka

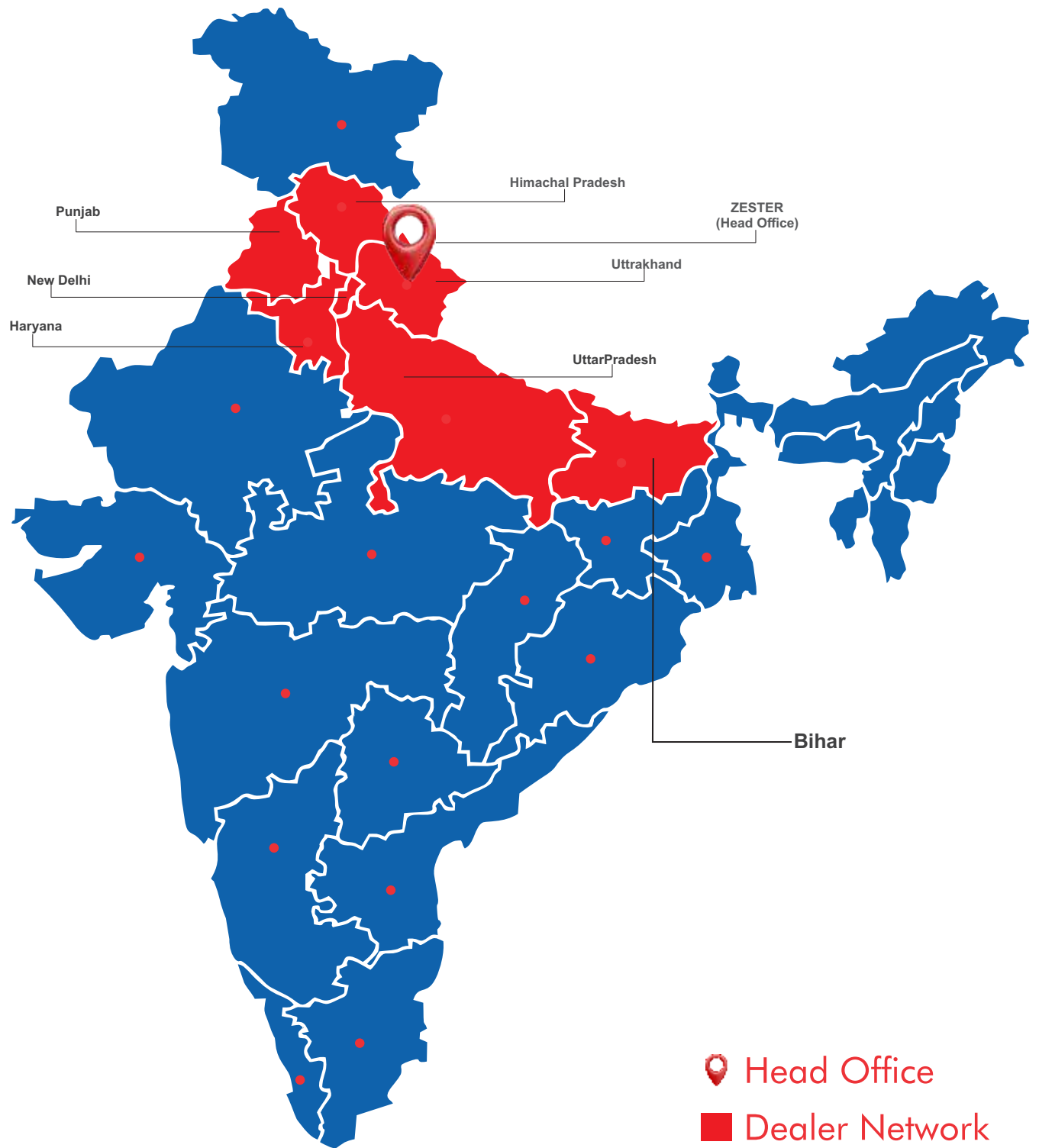
CONDUIT PIPES AND FITTINGS FOR PROTECTION OF CONCEALED WIRING



Products

PVC PIPE & BEND
CASSING & CAPPING
WIRES & CABLES
PVC INSULATION TAPE
FLEXIBLE PIPE
MODULAR BOXES
MCB BOXES

MARKETING NETWORK





ZESTER, A Company Founded in the Year 2019 with the name ALIKENT INDIA PVT. LTD. A company that Takes Pride In its philosophy to build robust and reliable systems, is well renowned for manufacturing protective Goods.

ZESTER is pioneer in Manufacturing of High end Plastic Products with fully Advanced Machinery & High Skilled Manpower Used to produce our Electricals Conduits pipe, wires And Cables, PVC Casing & Capping, Pvc Insulation Tape, Modular Boxes, MCB Distributions Boxes & accessories with the setup of Two units of manufacturing in District-Haridwar State-Uttarakhand.

The Company is well Known in PVC Conduit Pipe & accessories Manufacturing Company in North India. Our Company Offers widest and most comprehensive Range of Electricals products in India. We are manufacturing High Quality and Best Performance ,durable and low maintenance at very reasonable price.

We are manufacturing our products on Indian standard. Our products in Government lab tested in the department of Bureau of Indian Standard (BIS). The BIS approved our products with IS: 9537 part 3. We have ISI marked Product in Conduit Pipe and wires And Cables As per Category Required. Every year BIS Audit Our product in Govt. Lab and every time our product is gaining 5 star ranking on Govt. Process of Product Passing.

Alikent India Pvt Ltd. is ISO 9001:2015 Certified Company. We are Capable to Design and Innovate new Products in the electricals industry. Our Product Packaging Is Highly Smart to Attract the Customer in Retail market and the product is Very Good in quality for Using by Customer. We are wholly committed to continuous improvement while providing the best possible products and services to its customers at all levels within its organization. Never compromise in Quality And policy of Our Company.

Mr. N.H Gour

DIRECTOR'S NOTE

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Perfect Partner for your Wires & Cables

ROUND CONDUIT PVC PIPES & FITTINGS

Zester Round Conduit Pvc Pipes & Fittings Are Manufactured From A Specially Formulated Unplasticised Polyvinyl Chloride (pvc) To Meet The Most Stringent Indian And International Standards. Our Products Are Made Of Extra Super High Impact Material Which Make Them Safe To Use In Harsh Environment. The Products Are Manufactured In Accordance With Is 9537 - Part 3, For Pvc Conduits Pipe & Fittings.

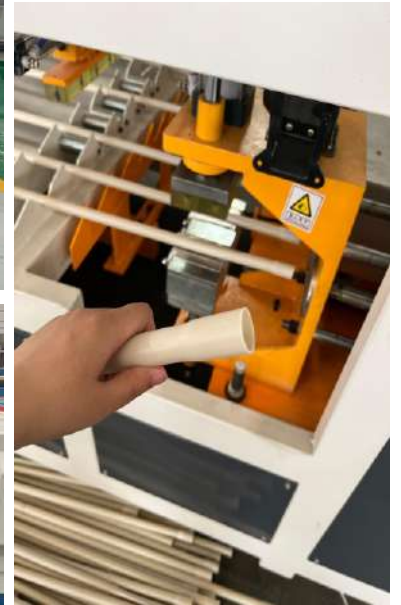
1st time in India

Our Premium Range of ROUND Conduit Pipes & Fittings Are also available in Grey, Ivory, Black. Some Special Colour Are on Request.

Available Colours :



OUR ADVANCED TECHNOLOGY



ZESTER is Equipped with state-of-art laboratory which specializes is high quality testing as per ISI standards for Testing of all Pvc Pipe, Wires & Cables and other Product. The High Quality Performance is attained and ensured throughout the plant in all the processes through experienced and well-qualified staff and skilled workers.

Each batch of ZESTER Pvc Conduit Pipe & Fittings is rigorously tested as per Bureau of Indian Standards relevent scheme of testing and inspection. ZESTER Conducts the following high critical tests in its laboratory and the products are passed only after a strict quality check process:

QUALITY CONTROL

BATCH WISE TESTING BEFORE DISPATCHING FOR PIPES

1. Checking Of Dimensions
2. Bending Test
3. Compression Test
4. Impact Test
5. Collapse Test
6. Resistance Test
7. Resistance to Burning
8. Electrical Characteristics

TESTING FOR FITTINGS

1. Visual, Construction & Marking
2. Checking Of Dimensions
3. Resistance to Heat
4. Resistance to Burning
5. Moisture Absorption Test
6. Resistance to Chemicals Action
7. Resistance to Oil
8. Resistance to Impact
9. Copper Test
10. Electrical Characterstics



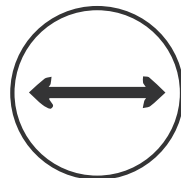
Applications

Channelising concealed and surface wiring.
Telecommunication and cable ducting.

DIMENSIONS OF ROUND CONDUIT uPVC PIPES IS 9537 - PART 3

Nominal Size (mm)	Outside Diameter (mm)	Tolerance on Outside Diameter (mm)	Inside Diameter (Min.) (mm)		
			Light	Medium	Heavy
20	20	-0.3	17.4	16.9	15.8
25	25	-0.4	22.1	21.4	20.6
32	32	-0.4	28.6	27.8	26.6
40	40	-0.4	35.8	35.4	34.4
50	50	-0.5	45.1	44.3	43.2
63	63	-0.6	57.0	-	-

Features



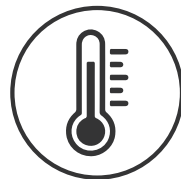
Various Diameters & Grades



Fire retardant & corrosion free



Easy and quick installation



Thermal resistant
(-5° C to +60° C)



Durable & Impact resistant



Laser Engraved Pipe

- Light, medium and heavy mechanical stress, to suit various applications and site conditions
- Wide range of component maximises application



ZESTER[®]
Connection India Ka

badshah Series

PVC CONDUIT PIPES & FITTINGS

**ज़ैस्टर पाइप हर लैंटर का
बादशाह !**



ROUND PVC CONDUIT PIPES (SOCKETED)

HSN : 39172310



HSN CODE : 3917

LMS-LIGHT MECHANICAL STRESS (IVORY)

Size (cm)	Product Code	Std. Pkg. (Nos. x Metre)
1.9	ZBSIVLMS101	40X3
*2.0	ZBSIVLMS201	40X3
*2.5	ZBSIVLMS301	25X3
*3.2	ZBSIVLMS401	15X3
*4.0	ZBSIVLMS501	10X3
*5.0	ZBSIVLMS601	10X3
*6.3	ZBSIVLMS701	5X3



HSN CODE : 3917

MMS-LIGHT MECHANICAL STRESS (IVORY)

Size (cm)	Product Code	Std. Pkg. (Nos. x Metre)
1.9	ZBSIVMMS101	40X3
*2.0	ZBSIVMMS201	40X3
*2.5	ZBSIVMMS301	25X3
*3.2	ZBSIVMMS401	15X3
*4.0	ZBSIVMMS501	10X3
*5.0	ZBSIVMMS601	10X3
*6.3	ZBSIVMMS701	5X3



HSN CODE : 3917

HMS-LIGHT MECHANICAL STRESS (IVORY)

Size (cm)	Product Code	Std. Pkg. (Nos. x Metre)
1.9	ZBSIVHMS101	40X3
*2.0	ZBSIVHMS201	40X3
*2.5	ZBSIVHMS301	25X3
*3.2	ZBSIVHMS401	15X3
*4.0	ZBSIVHMS501	10X3
*5.0	ZBSIVHMS601	10X3
*6.3	ZBSIVHMS701	5X3



HSN CODE : 3917

LMS-LIGHT MECHANICAL STRESS (BLACK)

Size (cm)	Product Code	Std. Pkg. (Nos. x Metre)
1.9	ZBSBKMS101	40X3
*2.0	ZBSBKMS201	40X3
*2.5	ZBSBKMS301	25X3
*3.2	ZBSBKMS401	15X3
*4.0	ZBSBKMS501	10X3
*5.0	ZBSBKMS601	10X3
*6.3	ZBSBKMS701	5X3



HSN CODE : 3917

MMS-LIGHT MECHANICAL STRESS (BLACK)

Size (cm)	Product Code	Std. Pkg. (Nos. x Metre)
1.9	ZBSBKMS101	40X3
*2.0	ZBSBKMS201	40X3
*2.5	ZBSBKMS301	25X3
*3.2	ZBSBKMS401	15X3
*4.0	ZBSBKMS501	10X3
*5.0	ZBSBKMS601	10X3
*6.3	ZBSBKMS701	5X3



HSN CODE : 3917

HMS-LIGHT MECHANICAL STRESS (BLACK)

Size (cm)	Product Code	Std. Pkg. (Nos. x Metre)
1.9	ZBSBKMS101	40X3
*2.0	ZBSBKMS201	40X3
*2.5	ZBSBKMS301	25X3
*3.2	ZBSBKMS401	15X3
*4.0	ZBSBKMS501	10X3
*5.0	ZBSBKMS601	10X3
*6.3	ZBSBKMS701	5X3

ROUND PVC CONDUIT PIPES (SOCKETED)

HSN : 39172310



LMS-LIGHT MECHANICAL STRESS (GREY)

Size (cm)	Product Code	Std. Pkg. (Nos. x Metre)
1.9	ZBSGYLMS101	40X3
*2.0	ZBSGYLMS201	40X3
*2.5	ZBSGYLMS301	25X3
*3.2	ZBSGYLMS401	15X3
*4.0	ZBSGYLMS501	10X3
*5.0	ZBSGYLMS601	10X3
*6.3	ZBSGYLMS701	5X3



MMS-LIGHT MECHANICAL STRESS (GREY)

Size (cm)	Product Code	Std. Pkg. (Nos. x Metre)
1.9	ZBSGYMMS101	40X3
*2.0	ZBSGYMMS201	40X3
*2.5	ZBSGYMMS301	25X3
*3.2	ZBSGYMMS401	15X3
*4.0	ZBSGYMMS501	10X3
*5.0	ZBSGYMMS601	10X3
*6.3	ZBSGYMMS701	5X3



HMS-LIGHT MECHANICAL STRESS (GREY)

Size (cm)	Product Code	Std. Pkg. (Nos. x Metre)
1.9	ZBSGYHMS101	40X3
*2.0	ZBSGYHMS201	40X3
*2.5	ZBSGYHMS301	25X3
*3.2	ZBSGYHMS401	15X3
*4.0	ZBSGYHMS501	10X3
*5.0	ZBSGYHMS601	10X3
*6.3	ZBSGYHMS701	5X3



LMS-LIGHT MECHANICAL STRESS (ORANGE)

Size (cm)	Product Code	Std. Pkg. (Nos. x Metre)
1.9	ZBSOGLMS101	40X3
*2.0	ZBSOGLMS201	40X3
*2.5	ZBSOGLMS301	25X3
*3.2	ZBSOGLMS401	15X3
*4.0	ZBSOGLMS501	10X3
*5.0	ZBSOGLMS601	10X3
*6.3	ZBSOGLMS701	5X3



MMS-LIGHT MECHANICAL STRESS (ORANGE)

Size (cm)	Product Code	Std. Pkg. (Nos. x Metre)
1.9	ZBSOGMMS101	40X3
*2.0	ZBSOGMMS201	40X3
*2.5	ZBSOGMMS301	25X3
*3.2	ZBSOGMMS401	15X3
*4.0	ZBSOGMMS501	10X3
*5.0	ZBSOGMMS601	10X3
*6.3	ZBSOGMMS701	5X3



HMS-LIGHT MECHANICAL STRESS (ORANGE)

Size (cm)	Product Code	Std. Pkg. (Nos. x Metre)
1.9	ZBSOGHMS101	40X3
*2.0	ZBSOGHMS201	40X3
*2.5	ZBSOGHMS301	25X3
*3.2	ZBSOGHMS401	15X3
*4.0	ZBSOGHMS501	10X3
*5.0	ZBSOGHMS601	10X3
*6.3	ZBSOGHMS701	5X3


INDIA'S
NO. 1
FLEXIBLE
PIPE

ZESTER[®]
Connection India Ka



Perfect Partner for your Wires & Cables

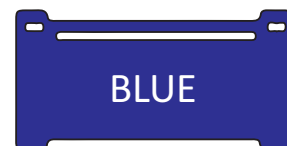
CORRUGATED FLEXIBLE PIPES & FITTINGS

ZESTER Corrugated Flexible Pipes & Fittings Are Manufactured From A Specially Formulated Unplasticised Polymer Granules. To Meet The Most Stringent Indian And International Standards. Our Products Are Made Of Extra Super High Impact Material Which Make Them Safe To Use In Harsh Environment. The Products Are Manufactured In Accordance With Indian Standard For Pvc Conduits Pipe & Fittings.



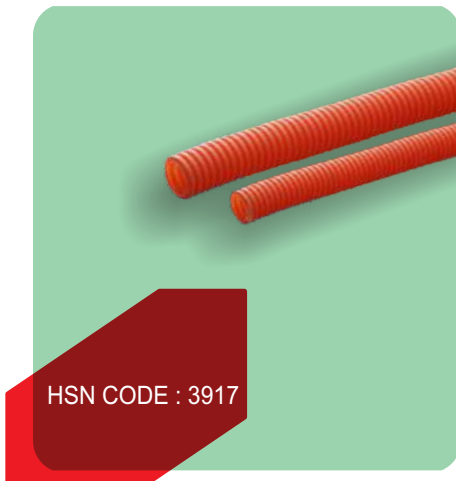
Our Premium Range of Corrugated Flexible Pipes & Fittings Are also available in White, Black, Grey, Orange. Some Special Colour Are on Request.

Available Colours :



CORRUGATED FLEXIBLE CONDUIT PIPES

HSN : 39172310



HSN CODE : 3917

HEAVY DUTY CORRUGATED FLEXIBLE PIPE (ORANGE)

Size (cm)	Product Code	Standard/Master Packing	
		Length Per Coil	Coil Per Bag
1.6	ZCPOGHD901	30m	40X1
*2.0	ZCPOGHD902	30m	40X1
*2.5	ZCPOGHD903	25m	28X1
*3.2	ZCPOGHD904	15m	15X1
*4.0	ZCPOGHD905	10m	10x1
*5.0	ZCPOGHD906	10m	10X1
*6.3	ZCPOGHD907	5m	5X1



HSN CODE : 3917

HEAVY DUTY CORRUGATED FLEXIBLE PIPE (BLACK)

Size (cm)	Product Code	Standard/Master Packing	
		Length Per Coil	Coil Per Bag
1.6	ZCPBKHD901	30m	40X1
*2.0	ZCPBKHD902	30m	40X1
*2.5	ZCPBKHD903	25m	28X1
*3.2	ZCPBKHD904	15m	15X1
*4.0	ZCPBKHD905	10m	10x1
*5.0	ZCPBKHD906	10m	10X1
*6.3	ZCPBKHD907	5m	5X1



HSN CODE : 3917

HEAVY DUTY CORRUGATED FLEXIBLE PIPE (SUPER WHITE)

Size (cm)	Product Code	Standard/Master Packing	
		Length Per Coil	Coil Per Bag
1.6	ZCPWHHD901	30m	40X1
*2.0	ZCPWHHD902	30m	40X1
*2.5	ZCPWHHD903	25m	28X1
*3.2	ZCPWHHD904	15m	15X1
*4.0	ZCPWHHD905	10m	10x1
*5.0	ZCPWHHD906	10m	10X1
*6.3	ZCPWHHD907	5m	5X1



HSN CODE : 3917

HEAVY DUTY CORRUGATED FLEXIBLE PIPE (BLUE)

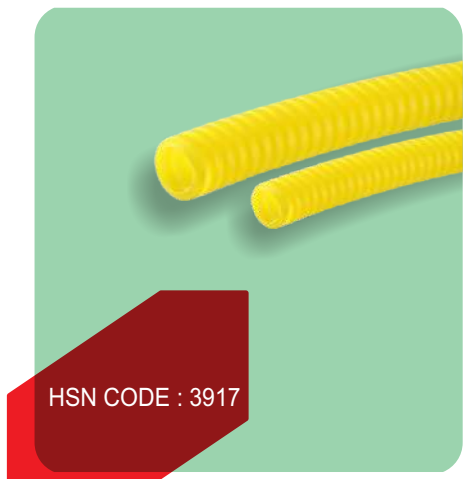
Size (cm)	Product Code	Standard/Master Packing	
		Length Per Coil	Coil Per Bag
1.6	ZCPBLHD901	30m	40X1
*2.0	ZCPBLHD902	30m	40X1
*2.5	ZCPBLHD903	25m	28X1
*3.2	ZCPBLHD904	15m	15X1
*4.0	ZCPBLHD905	10m	10x1
*5.0	ZCPBLHD906	10m	10X1
*6.3	ZCPBLHD907	5m	5X1



HSN CODE : 3917

HEAVY DUTY CORRUGATED FLEXIBLE PIPE (GREY)

Size (cm)	Product Code	Standard/Master Packing	
		Length Per Coil	Coil Per Bag
1.6	ZCPGYHD901	30m	40X1
*2.0	ZCPGYHD902	30m	40X1
*2.5	ZCPGYHD903	25m	28X1
*3.2	ZCPGYHD904	15m	15X1
*4.0	ZCPGYHD905	10m	10x1
*5.0	ZCPGYHD906	10m	10X1
*6.3	ZCPGYHD907	5m	5X1



HSN CODE : 3917

HEAVY DUTY CORRUGATED FLEXIBLE PIPE (YELLOW)

Size (cm)	Product Code	Standard/Master Packing	
		Length Per Coil	Coil Per Bag
1.6	ZCPYLHD901	30m	40X1
*2.0	ZCPYLHD902	30m	40X1
*2.5	ZCPYLHD903	25m	28X1
*3.2	ZCPYLHD904	15m	15X1
*4.0	ZCPYLHD905	10m	10x1
*5.0	ZCPYLHD906	10m	10X1
*6.3	ZCPYLHD907	5m	5X1

**HIGH CORROSION
RESISTANT**

**EASY
TO INSTALL**

**FIRE
RESISTANT**

**Reasonable
Price**

**HIGH
MECHANICAL
STRENGTH**

**LIGHT
WEIGHT**

DURABILITY

**NON-
Conductive**

**KEY
PROPERTIES**



TECHNICAL DATA



MATERIAL DATA

Specific Gravity	:	1.40 - 1.46
Impact Resistance	:	High impact resistance. The material is formulated to comply with -5°C to +60°C to IS 9537-Part 3 and IS 14927-Part 2 Cable Trunking Standards.
Tensile Strength	:	450/565 kg/cm ²
Chemical Resistance	:	The material is virtually unaffected by inorganic acid, alkalis and salt.
Coefficient of linear Expansion	:	7x10/m/deg.C
Water Absorption	:	Negligible
Flammability	:	IS 9537-Part 3,
Vicat. Softening point (Pipe & Trunking)	:	80°C at 5 kg Load
Vicat. Softening point (Moulded Fittings)	:	76°C
Oxygen Index	:	40%
Electric Strength	:	To the requirement of IS 9537-Part 3.
Insulation Resistance	:	To the requirements of IS 9537-Part 3,
Operating Temperature	:	-5°C to +60°C

STANDARDS

Conduit	:	IS 9537-Part 3
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QUALITY CONFIRMATION



ZESTER products that comes within the scope of Low Voltage Directive (LVC) 2006/95/EC, RoHS Directive 2002/95/EC will be CE marked on their product or packaging that they meet the necessary requirements of the directive.

CONDUIT AND TRUNKING

The following notes are intended to be a guide to the installation of ZESTER Conduit, Trunking and Fitting. To ensure safety in installation, commissioning and maintenance, work should be undertaken by competent personnel and in accordance with relevant codes of practice and statutory requirements. Information on installation can be found in:

- Regulations, Indian standards specifications and code of practice.
- Regulation for electrical equipment of buildings (IEE publication).

CONDUIT

Choice of Conduit

The choice depends on the type of work being undertaken and the specification, Heavy Mechanical Stress (HMS) and Medium Mechanical Stress (MMS) Round Conduits are normally used in casting in situ and surface work. Light Mechanical Stress (LMS) Conduit is suitable for concealed work in drops and in screeds & surface. Trunking Profile are generally used as a method of installing cables in domestic / commercial in surface work and installation beneath plaster.

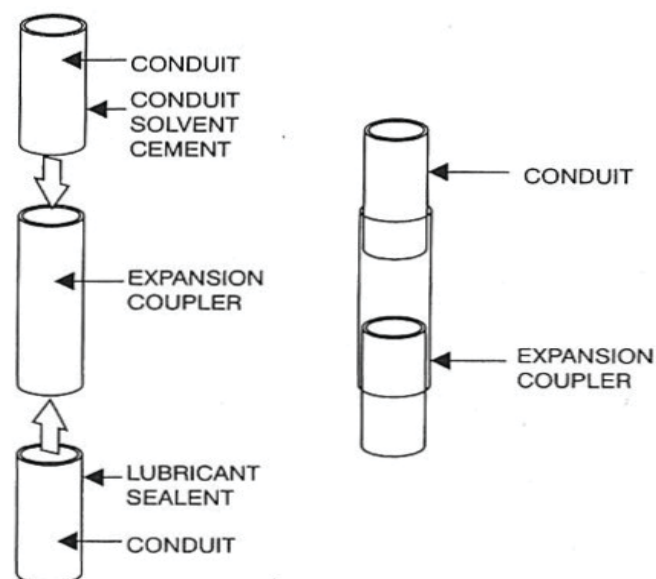
Surface Installation

All horizontal runs of conduit should be secured at a maximum distance of 0.9 meter and vertical runs should be secured at a maximum of 1.2 meter. For high ambient temperatures or where rapid changes in temperature are likely to be encountered the distance should be reduced. At fittings or where directional changes takes place the conduit should be fastened approximately 150 mm either side to maintain support. The fastening should not be over tightened to permit thermal movement of the conduit.

Joint and Couplers

To accommodate for thermal movement due to temperature change on surface installations, it is recommended that expansion couplers be used at a maximum distance of 6 meters intervals. Where high ambient temperature or frequent variation in temperature is likely to occur this distance should be reduced. Expansion couplers are installed with the short side coated with solvent cement and coupler pushed firmly over the conduit down to nib. The slip side coated with silicon grease receives the conduit to a midpoint to the nib. This will then permit for expansion or contraction providing the conduit is free to move in the saddle.

Conduit fittings are installed in the system using solvent cement for permanent installation and silicon grease where installation is subject to frequent changes.



Jointing

PVC solvent cement is the recommended method of joining conduit into fitting like couplings, adaptors, bends and boxes. Zester solvent cement is especially formulated for watertight permanent joint.

BONDING INSTRUCTIONS

Conduits and Fittings to be bonded must be clean, dry and free from oil moisture, dirt and grease.

- Cut the pipe, remove burr from the both inside and outside of the pipe with knife, file or reamer.
- Apply an even layer of cement to the pipe and fitting.
- Immediately push the pipe into the fitting together to the full depth without twisting. Hold in place for 30 seconds and clean off excess cement.

Bending

Bending of conduit up to 25 mm in diameter can be carried out using correct size and gauge of bending spring. It should be noted that Heavy gauge spring is plated gold colour for heavy conduit. Medium gauge spring is plated silver colour for medium conduit and Light gauge spring is plated black colour for light conduit. Make sure they are not damaged in any way, as this can cause the conduit to kink and fracture making removal of spring difficult.

Cold Bending

To bend the conduit, insert the spring to the desired position, grip the conduit on either side of the bend and bring slowly together to form the bend. The bend should be made more acute than necessary because of tendency of the PVC to recover after bending. Pull the spring gently. Do not pull too hard otherwise damage to the spring may occur. The conduit should then be fastened into position to prevent further recovering.

Hot Bending

For conduit sizes over 25 mm diameter, hot bending is required, with the same procedure as cold bending; but with the application of gentle heat just prior to bending with care being taken to avoid the direct application of flame to the conduit. When the conduit is in pliable state, slowly bend around a suitable former, holding the position for about one minute until set.

If the conduit is bent too fast or, particularly in the case of light conduit, there is a risk of damage to both the conduit and spring. Similarly once the bend has been made it should not be forced backwards, but be allowed to recover naturally.

Earthing

The properties of PVC make it an all insulated system and the use of separate earth cable is essential which greatly reduces the risk of poor earth continuity that can result from any breakdown of joint, which may occur in a steel system.

DIMENSIONS OF ROUND CONDUIT PVC PIPES IS 9537-PART 3

Nominal Size (mm)	Outside Diameter (mm)	Tolerance on Outside Diameter (mm)	Inside Diameter (Min.) (mm)		
			Light	Medium	Heavy
20	20	-0.3	17.4	16.9	15.8
25	25	-0.4	22.1	21.4	20.6
32	32	-0.4	28.6	27.8	26.6
40	40	-0.4	35.8	35.4	34.4
50	50	-0.5	45.1	44.3	43.2
63	63	-0.6	57.0	-	-
#SPECIAL SIZES					
19	19	-0.3	16.5	16.0	15.1
38	38	-0.4	33.7	33.4	32.4

DIMENSIONS OF CORRUGATED FLEXIBLE CONDUITS

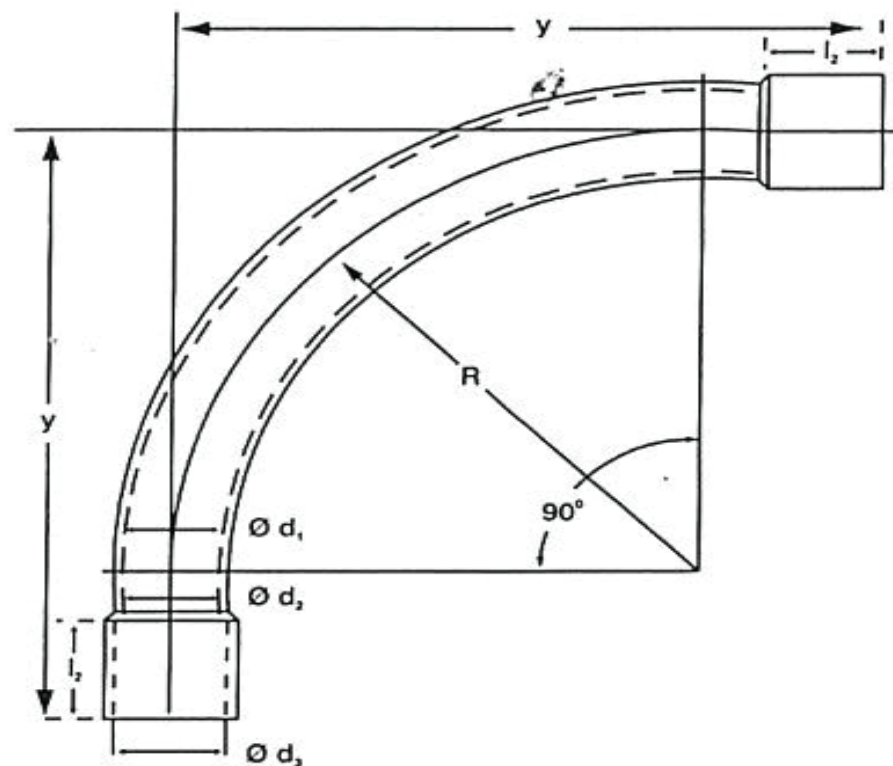
Nominal Diameter (mm)	Maximum Outside Diameter (mm)	Tolerance on Outside Diameter (mm)	Minimum Inside Diameter (mm)
10	10	- 0.1	7.0
16	16	- 0.3	10.7
20	20	- 0.3	14.1
25	25	- 0.4	18.3
32	32	- 0.4	24.3
40	40	- 0.4	31.2
50	50	- 0.5	39.6
63	63	- 0.6	52.6

**DEEP CIRCULAR JUNCTION BOX
NOMINAL OUTSIDE DIAMETER OF CONDUIT**

A	B MIN	C	D MIN	E MIN	F MAX	F MIN	G	T MIN
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
20	23.0	17.00 + 0.25	20.0	65 + 0.2	14.5	13.5	60 + 1.5	1.6
25	29.5	22.75 + 0.25	23.0	65 + 0.2	17.5	16.5	60 + 1.5	1.6
32	35.5	29.5 + 0.5	24.0	65 + 0.2	19.5	18.5	60 + 1.5	1.6

SLIP TYPE COUPLING BENDS

All dimensions in millimeters.



Nominal Size	Outside Diameter of Bend d1	Minimum Inside Diameter of Bend d2	Inside Diameter of Collar d3	R	Y	L
(1)	(2)	(3)	(4)	(5)	(6)	(7)
20	20 - 0.3	16.9	20.1 + 0.2	65	115	35
25	25 - 0.3	21.3	25.1 + 0.3	90	160	35
32	32 - 0.3	27.9	32.1 + 0.3	125	215	45
40	40 - 0.3	35.5	40.1 + 0.4	160	260	45
50	50 - 0.3	44.7	50.1 + 0.4	210	310	55

**THANK YOU
FOR
BEING WITH
US**



GENERAL TERMS & CONDITIONS

- The Prices are Inclusive of Govt. Taxes & Levies. This Price List Cancel automatic Previous Price List.
- Goods Dispatch By us are on the Purchaser's Risk. All Claims For the Loss Shortages & Damages Shall be filled by the Purchaser Directly, Disputes If any are subject to Roorkee Juridictions Only.
- MRP Mentioned for Wires & Cables is per Bundle in INR.
- The Image that appears in the price list may differe from the actual product.

ALIKENT INDIA PRIVATE LIMITED

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Unit - 2, Plot no. D-8, Devbhoomi Industrial Estate, Bandakheri, Roorkee -247667 (UK) - India

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For Trade Inquriy : +91 8445 399 553