



IN LINE WITH YOUR WELL-BEING!

connecting the dots of safety.



2020

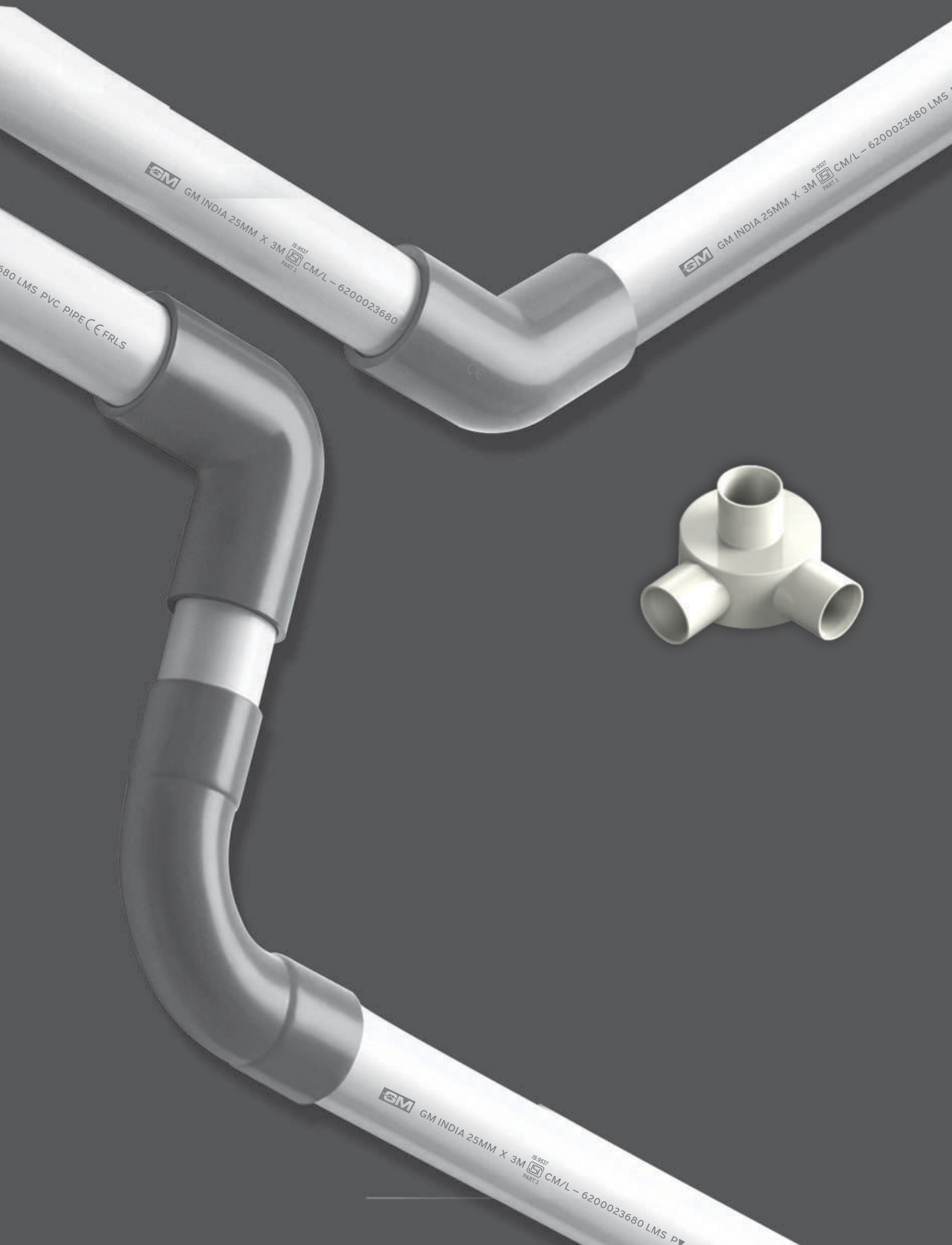
PVC Pipes &
Electrical Fittings pricing manual

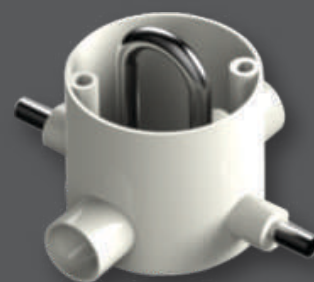
UNDERSTANDING MODERN-DAY SAFETY

With the changing times, the necessities and the demands of individuals have transformed and so are the requirements of safety. With an increase in the standard of living, there has been an upsurge in the demand for safety. Contrary to the olden time when individuals took it for granted due to poverty and lack of education, safety today is perceived as a factor that can't be compromised on. With crucial developments in science there have been new ways of catering safety for the professionals and the common masses.

The electrical conduits have witnessed a massive transformation and the initially used ingredients such as wood, paper and metal have been replaced with pvc. The pvc pipe is a contemporary solution used excessively for household and industrial purposes as electrical conduits. Pvc which stands for polyvinyl chloride efficiently offers an evolved protection against electric shocks and hazards making it conducive for various activities. It also acts as a route for the electrical wires that connects two things or places.

The gm PVC electrical conduit made of the finest raw materials takes this concept of safety to the next level. With using a combination of appropriate methodology and ingredients, the gm pvc provides immense protection to wires against evolving times and situations.





PURITY SAFETY & RELIABILITY AT EVERY INSTANCE.

The GM PVC made of synthetic plastic polymer through a special polymerization process passes all tests of safety. It qualifies for the rigorous Indian standards to ensure maximum protection against mishaps. It allows easy movement of individuals around it, while conveying wires significantly to their respective destinations. It works efficiently under extremely harsh and unfavourable conditions. Moreover, it understands its purpose and executes its duty of rendering safety exceptionally well.



Coming up to your standards of safety

The GM PVC made of synthetic plastic polymer through a special polymerization process passes all tests of safety. It qualifies for the rigorous Indian standards to ensure maximum protection against mishaps. It allows easy movement of individuals around it, while conveying wires significantly to their respective destinations. It works efficiently under extremely harsh and unfavourable conditions. Moreover, it understands its purpose and executes its duty of rendering safety exceptionally well.

QUALITY ASSURANCE

The pipes are tested as per IS:9537 Part:3 for following tests in house:

VISUAL INSPECTION

Inspected for any visual defects like scratch, damage, surface finish, colour and shine.

MARKING INSPECTION AND DURABILITY TESTING

The legibility and durability of marking is tested by rubbing as per standard.

DIMENSION INSPECTION

Inspected for outside diameter, inside diameter, wall thickness and ovality.

BENDING TEST AT ROOM TEMPERATURE AND AT LOW TEMPERATURE

The pipes are bent in bending fixture to "U" shape at room temperature and also it is bent at -50C. There should not be any collapse or damage at the bent area. Also the minimum size gauge should pass through it.

COMPRESSION TEST

Depending on the grade of pipe the load is applied as per standard and is then checked for percentage of deformity and minimum gauge should pass.

COLLAPSE TEST

The pipes are bent to 900 and are fixed in a jig and conditioned, then tested for any collapse or damage using gauges.

RESISTANCE TO HEAT TEST

The pipes are kept in oven at 600C for 5hrs. with a ball pressure. There should be minimum impression.

RESISTANCE TO BURNING TEST

The pipe is burnt by using Bunsen burner. The fire should not propagate or continue to burn on removal of flame.

ELECTRICAL CHARACTERISTIC TEST

- a) Electrical Strength : The pipe is subjected to high voltage of 2000 Volts.
- b) Insulation Resistance : The resistance is checked by applying 500 Volts.

IMPACT TEST

The pipes are subjected to impact load depending on their grade as per standard and are checked for any cracks or damages.

Every batch is tested and is certified from the quality assurance department on line and before material is despatched. GM circular adaptable boxes are provided with brass inserts with a load suspension capacity of 3 Kgs at 600C.



RIGID PVC ELECTRICAL CONDUITS, FITTINGS AND ACCESSORIES

GM is a leading manufacturer of world-class electrical goods for more than two decades. GM has set up a PVC Conduit Pipe and accessories manufacturing unit in Bengaluru with advanced machinery. It has well equipped laboratory to inspect and test regularly as per IS:9537 Part:3. The PVC Conduit pipes and accessories are manufactured from first grade raw materials from leading manufacturers. The compounding of raw materials is done in-house to have better control on quality and consistency.

The Rigid PVC Conduit pipe is a major break through in construction industry. Previously, steel pipes were used with steel fittings, which would rust and damaged wires would conduct electricity and cause fire hazards. PVC is fire retardant and the FRLS grade will produce low smoke in case of fire. PVC does not propagate fire and also is a major insulator of electricity.

The Rigid PVC Conduit Pipes manufactured as per INDIAN STANDARDS are in three categories LIGHT, MEDIUM and HEAVY with three-meter standard length. The detailed size and thickness is as per table below.

DIMENSIONS OF ROUND CONDUIT IS: 9537 PART 3											
Size	OD		LIGHT			MEDIUM			HEAVY		
			ID	Wall thickness		ID	Wall thickness		ID	Wall thickness	
	Min	Max		Min	Max		Min	Max		Min	Max
20	19.7	20.0	17.4	1.15	1.30	16.9	1.40	1.55	15.8	1.95	2.10
25	24.6	25.0	22.1	1.25	1.45	21.4	1.60	1.80	20.6	2.00	2.20
32	31.6	32.0	28.6	1.50	1.70	27.8	1.90	2.10	26.6	2.50	2.70

Note:

OD – Outer Diameter, ID – Inner Diameter, all dimensions are in mm.

The Rigid PVC Conduit Pipes are also manufactured as per Market requirement in three categories LIGHT, MEDIUM and HEAVY with three meter standard length.

PVC PIPES AND FITTINGS

UPVC ROUND CONDUIT FRLS



ITEM CODE			SIZE OD (MM)	MRP ₹	PER PC.	PKG.
LMS (LIGHT MECHANICAL STRESS)						
GM PL 01 16			16		60.00	150
GM PL 01 20			20		81.00	100
GM PL 01 25			25		111.50	75
GM PL 01 32			32		176.00	50
MMS (MEDIUM MECHANICAL STRESS)						
GM PL 02 16			16		73.50	150
GM PL 02 20			20		92.00	100
GM PL 02 25			25		124.00	75
GM PL 02 32			32		203.00	50
HMS (HIGH MECHANICAL STRESS)						
GM PL 03 16			16		87.00	150
GM PL 03 20			20		122.00	100
GM PL 03 25			25		157.00	75
GM PL 03 32			32		246.00	50
19 MM *						
GM PL 04 19	BLACK	1.0 mm	19		61.00	100
GM PL 05 19	YELLOW	1.2 mm	19		72.00	100
GM PL 06 19	GREEN	1.5 mm	19		85.00	100
GM PL 07 19	BLUE	1.8 mm	19		103.00	100
GM PL 08 19	RED	2.0 mm	19		108.00	100
25 MM *						
GM PL 04 25	BLACK	1.0 mm	25		88.00	75
GM PL 05 25	YELLOW	1.2 mm	25		98.00	75
GM PL 06 25	GREEN	1.5 mm	25		119.00	75
GM PL 07 25	BLUE	1.8 mm	25		141.00	75
GM PL 08 25	RED	2.0 mm	25		149.00	75
BENDING SPRING						
GM PL BM 20			20		300.00	1
GM PL BM 25			25		360.00	1
GM PL BH 20			20		300.00	1
GM PL BH 25			25		360.00	1

* Non ISI

COLOUR : BLACK / GREY / WHITE

UPVC ROUND CONDUIT FITTINGS



ITEM CODE	SIZE OD (MM)	MRP ₹ PER PC.	PKG.
CIRCULAR BOX - TERMINAL (1 WAY)			
GM PL 1S 19	19*	26.00	20
GM PL 1S 20	20	26.00	20
GM PL 1S 25	25	31.00	15
CIRCULAR BOX - ANGLE (2 WAY)			
GM PL 2A 19	19*	26.50	20
GM PL 2A 20	20	26.50	20
GM PL 2A 25	25	31.00	15
CIRCULAR BOX - THROUGH (2 WAY)			
GM PL 2S 19	19*	26.50	20
GM PL 2S 20	20	26.50	20
GM PL 2S 25	25	31.00	15
CIRCULAR BOX - TEE (3 WAY)			
GM PL 3S 19	19*	28.00	20
GM PL 3S 20	20	28.00	20
GM PL 3S 25	25	34.50	15
CIRCULAR BOX - INTERSECTION (4 WAY)			
GM PL 4S 19	19*	30.00	20
GM PL 4S 20	20	30.00	20
GM PL 4S 25	25	38.00	15
CIRCULAR BOX - BACK OUTLET (1 WAY)			
GM PL 1BS 19	19*	38.00	10
GM PL 1BS 20	20	38.00	10
GM PL 1BS 25	25	48.00	10



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PVC PIPES AND FITTINGS

UPVC ROUND CONDUIT FITTINGS



ITEM CODE	SIZE OD (MM)	MRP ₹ PER PC.	PKG.
CIRCULAR BOX - BACK OUTLET ANGLE (2 WAY)			
GM PL 2BA 19	19*	39.00	10
GM PL 2BA 20	20	39.00	10
GM PL 2BA 25	25	51.00	10
CIRCULAR BOX - BACK OUTLET THROUGH (2 WAY)			
GM PL 2BS 19	19*	39.00	10
GM PL 2BS 20	20	39.00	10
GM PL 2BS 25	25	51.00	10
CIRCULAR BOX - BACK OUTLET TEE (3 WAY)			
GM PL 3BS 19	19*	40.00	10
GM PL 3BS 20	20	40.00	10
GM PL 3BS 25	25	54.00	10
CIRCULAR BOX - BACK OUTLET INTERSECTION (4 WAY)			
GM PL 4BS 19	19*	45.00	10
GM PL 4BS 20	20	45.00	10
GM PL 4BS 25	25	62.00	10
DEEP CIRCULAR BOX - TERMINAL (1 WAY)			
GM PL 1DS 19	19*	38.00	10
GM PL 1DS 20	20	38.00	10
GM PL 1DS 25	25	43.00	10
GM PL 1DS 32	32	47.00	10
DEEP CIRCULAR BOX - ANGLE (2 WAY)			
GM PL 2DA 19	19*	39.00	10
GM PL 2DA 20	20	39.00	10
GM PL 2DA 25	25	45.00	10
GM PL 2DA 32	32	52.00	10

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UPVC ROUND CONDUIT FITTINGS



ITEM CODE	SIZE OD (MM)	MRP ₹ PER PC.	PKG.
DEEP CIRCULAR BOX - THROUGH (2 WAY)			
GM PL 2DS 19	19*	39.00	10
GM PL 2DS 20	20	39.00	10
GM PL 2DS 25	25	45.00	10
GM PL 2DS 32	32	52.00	10
DEEP CIRCULAR BOX - TEE (3 WAY)			
GM PL 3DS 19	19*	40.00	10
GM PL 3DS 20	20	40.00	10
GM PL 3DS 25	25	50.00	10
GM PL 3DS 32	32	54.00	10
DEEP CIRCULAR BOX - INTERSECTION (4 WAY)			
GM PL 4DS 19	19*	43.00	10
GM PL 4DS 20	20	43.00	10
GM PL 4DS 25	25	52.00	10
GM PL 4DS 32	32	60.00	10
CIRCULAR EXTENSION RING			
GM PL ER 20	20	16.00	50
GM PL ER 25	25	18.00	40
LOOP IN BOX			
GM PL LB 20	20	21.00	30
GM PL LB 25	25	25.00	25



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PVC PIPES AND FITTINGS

UPVC ROUND CONDUIT FITTINGS



ITEM CODE	SIZE OD (MM)	MRP ₹ PER PC.	PKG.
FAN BOX WITH ROD			
GM PL FBL 20	20 Large	170.00	2
GM PL FBL 25	25 Large	170.00	2
COUPLER			
GM PL CR 19	19*	4.50	150
GM PL CR 20	20	4.50	150
GM PL CR 25	25	6.00	125
GM PL CR 32	32	12.00	60
REDUCER			
GM PL RR 01	25 > 19*	6.50	250
GM PL RR 02	25 > 20	6.50	250
GM PL RR 03	32 > 25	12.50	200
SLIP TYPE BENDS			
GM PL BNS 19	19*	9.00	50
GM PL BNS 20	20	9.00	50
GM PL BNS 25	25	12.50	25
GM PL BNS 32	32	40.00	15
SLIP TYPE LONG BENDS			
GM PL BNL 19	19*	13.00	30
GM PL BNL 20	20	13.00	30
GM PL BNL 25	25	23.00	15
GM PL BNL 32	32	54.00	5
SADDLE			
GM PL SD 19	19*	7.00	150
GM PL SD 20	20	7.00	150
GM PL SD 25	25	9.00	100

* Non ISI

COLOUR : BLACK / GREY / WHITE

UPVC ROUND CONDUIT FITTINGS



ITEM CODE	SIZE OD (MM)	MRP ₹ PER PC.	PKG.
ROUND ELBOW			
GM PL RE 19	19*	6.50	125
GM PL RE 20	20	6.50	125
GM PL RE 25	25	9.50	75
ROUND TEE			
GM PL RT 19	19*	11.00	50
GM PL RT 20	20	11.00	50
GM PL RT 25	25	14.00	50
INSPECTION ELBOW			
GM PL IE 19	19*	28.00	100
GM PL IE 20	20	28.00	100
GM PL IE 25	25	35.00	50
INSPECTION TEE			
GM PL IT 19	19*	29.00	50
GM PL IT 20	20	29.00	50
GM PL IT 25	25	41.00	25
INSPECTION BEND			
GM PL IB 19	19*	28.00	40
GM PL IB 20	20	28.00	40
GM PL IB 25	25	41.00	20
SADDLE STRAP			
GM PL ST 19 - 20 - 25		4.50	150



* Non ISI

COLOUR : BLACK / GREY / WHITE

PVC PIPES AND FITTINGS

PVC OVAL CONDUIT

ITEM CODE	SIZE OD (MM)	MRP ₹ PER PC.	PKG.
OVAL CONDUIT			
GM PL OC 19	19	53.00	100
GM PL OC 25	25	66.50	100
GM PL OC 32	32	82.50	100
GM PL OC 40	40	103.00	75
GM PL OC 60	60	149.00	50

COLOUR : WHITE

POLY PROPYLENE FLEXIBLE CONDUIT

ITEM CODE	SIZE OD (MM)	MRP ₹ PER COIL	PKG. MTR/COIL	PKG. MTR/BAG
OVAL CONDUIT				
GM PL FC 10	10	765.00	100	1000
GM PL FC 16	16	412.50	50	500
GM PL FC 20	20	520.00	50	500
GM PL FC 25	25	412.50	25	250
GM PL FC 32	32	590.00	25	250
GM PL FC 40	40	590.00	20	100
GM PL FC 50	50	620.00	15	75

COLOUR : BLACK / GREY / WHITE

DESIGNED USING THE FINEST QUALITY RAW MATERIALS

GM PVC pipe made of excellent quality raw materials shoulders the responsibility of delivering essential wires. Its intent and sturdy built glorifies the virtue of service and takes pride in being a small but significant part of something important. It acts as a splendid medium of innovation and electricity. Furthermore, the minimal energy requirement and fewer manufacturing resources make it convenient and eco-friendly.



REASSURING COMPLETE PROTECTION



SWITCHGEAR & PROTECTION DEVICES

Bring a new dimension to security with the new GM Distribution Boards and Miniature Circuit Breakers (MCBs). With utmost prominence to the ergonomics, GM Distribution Boards and MCBs are comprehensively designed for home and industrial use. Streamlined design, stylish colour and impeccable protection are the primary attributes of the distribution box. Choose from a single or a double door design and shelter your property with extreme reliability.

SAFETY IS NEVER AN OPTION

GM offers total electrical solutions with cable in both copper and aluminium. Made from the best raw materials, the high resistance and fire retardant properties of GM wires have certainly refined contemporary electrical solutions making it perfect for installation in high rise buildings, malls, multiplexes and other places with a high density of people. This makes GM wires trouble free and extremely reliable and safe.

Gm's strong brand value has also introduced the world with its new venture into PVC Pipes & Fittings. It has the same principles of good design and functionality. The fittings are manufactured from special formulations of Unplasticised Polyvinyl Chloride (UPVC) to meet the most rigorous International standards.



Safety



Quality



Flame Retardant



Flexibility



Durability



Critical Oxygen Index



Electrical solutions with
FR FRLS FR-ZLS & FR-ZLS-H
wires and cables.



Our exclusive experience centres

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Giving you our best

GM has been extending innovative technology and luxury experiences for more than two decades. Our years of experience and expertise provide invaluable benefits for our production facility in Mumbai as well as in close co-operation with our global suppliers. It is of vital importance to us that we only work with suppliers that share our commitment to high quality. That is why our association has always been with talented, creative designers who have a responsible attitude towards design. And that is why we carefully select our suppliers so that we can work closely with them and supervise the whole production affair.

To achieve a perfect balance between carefully selected raw materials, beautiful design, functionality and good value is our moto. Every little piece, detail, line and material has been meticulously considered to ensure that the end result will work wonders in your home.

The entire GM product range catalogue can be found online on our website www.gmmodular.com.

You can follow GM on Facebook, Twitter, Instagram, YouTube and LinkedIn.



PL PVC MAS JUL 20