



PRECISION[®]

Pipes | Desh ki Lifeline



CATALOGUE
2023 - 2024

**SAFETY
MEIN
SAMJHOTA
NAHIN.**



DIRECTOR'S NOTE

1978 - The year when Precision Pipes was incorporated with a mission and vision to be the lifeline of every building and bring every home to life.

Cut to the present day where, as our tagline would have it, Precision Pipes has become the 'Desh ki lifeline'.

Our journey so far has been all about innovation, understanding the need of the hour and promptly acting upon it, and changing the overall consumer perception about the category with our wide range of products.

We started off with a range of electrical piping systems including Round Conduit uPVC Pipes, G.I. & M.S. Conduit Pipes, uPVC Mini /Maxi Trunking Profile, uPVC Panel Trunking, Corrugated Flexible Conduit Pipes and Fittings.

We've also diversified our offerings so as to cater to a wider audience looking for plumbing piping systems, with our CPVC, ASTM (uPVC), Sewerage Waste and Rainwater (SWR), Agriculture uPVC Pipes and Fittings.

To be the 'Desh ki lifeline', it was imperative for us to be connected with the country right from the grassroot level. So we built large scale manufacturing locations at Daman, Bengaluru, & Haridwar.

We've also built a strong distribution network that adheres to national and international standards recognized by leading consultants, architects, construction industries, government departments, defense, railways and automobile industries.

Also, all our products comply with major national and international standards like the ISO 9001: 2015, IS (Indian Standard), BS (British Standard) and CE for Low Voltage Directive.

This has ensured that consumers can buy our products through a dedicated sales network in India as well as in Europe, Middle East, Africa etc.

Last but not least, we've come a long way in our journey so far, but we at Precision Pipes continue to innovate every single day to keep on being 'Saare desh ki lifeline'.

Kunal S. Kadakia

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ROUND CONDUIT uPVC PIPES & FITTINGS

Precision Round Conduit uPVC Pipes & Fittings are manufactured from a specially formulated unplasticated polyvinyl chloride (uPVC) 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 environments. The products are manufactured in accordance with IS 9537 - Part 3, BS EN 61386-21 for uPVC conduits, IS 3419:1988 and BS 4067 for uPVC fittings.



1ST TIME IN INDIA!

Our premium range of
TRANSPARENT ROUND CONDUIT uPVC PIPES & FITTINGS
are also available in red, green & yellow on request.





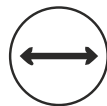
Applications

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	-	-
#SPECIAL SIZES					
19	19	-0.3	16.5	16.0	15.1

Features



Various Diameters &
Grades



Fire retardant &
corrosion free



Easy and quick
installation



Thermal resistant
(-5° C to +60° C)

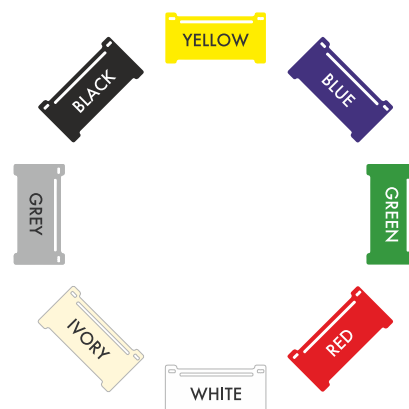


Durable & Impact
resistant



Laser Engraved
Pipe

- Light, medium and heavy mechanical stress, to suit various applications and site conditions
- Wide range of component maximises application
- Precision circular boxes and adaptable boxes are provided with M4 brass insert with a load suspension capacity of 3 Kgs at +60° C



ROUND CONDUIT uPVC PIPES (SOCKETED)

HSN : 39172310



≈ FRLS CE ☿ U.V.S.

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK		NORTH INDIA PACK	
		OD (mm)	Pc. x Mtr.	Mtr. / Bdl.	Mtr. / Bdl.	
LMS (LIGHT MECHANICAL STRESS)						
#	1	PRCS 19L	19	100 x 3m	300	-
#	2	PRCS 19LNI	19	40 x 3m	-	120
	3	PRCS 20L	20	100 x 3m	300	-
	4	PRCS 20LNI	20	40 x 3m	-	120
	5	PRCS 25L	25	100 x 3m	300	-
	6	PRCS 25LNI	25	25 x 3m	-	75
	7	PRCS 32L	32	50 x 3m	150	-
	8	PRCS 32LNI	32	10 x 3m	-	30
	9	PRCS 40L	40	25 x 3m	75	-
	10	PRCS 40LNI	40	5 x 3m	-	15
	11	PRCS 50L	50	20 x 3m	60	-
	12	PRCS 50LNI	50	5 x 3m	-	15
	13	PRCS 63L	63	18 x 3m	54	-

MMS (MEDIUM MECHANICAL STRESS)					
# 14	PRCS 19M	19	100 x 3m	300	-
# 15	PRCS 19MNI	19	40 x 3m	-	120
16	PRCS 20M	20	100 x 3m	300	-
17	PRCS 20MNI	20	40 x 3m	-	120
18	PRCS 25M	25	100 x 3m	300	-
19	PRCS 25MNI	25	25 x 3m	-	75
20	PRCS 32M	32	50 x 3m	150	-
21	PRCS 32MNI	32	10 x 3m	-	30
22	PRCS 40M	40	25 x 3m	75	-
23	PRCS 40MNI	40	5 x 3m	-	15
24	PRCS 50M	50	20 x 3m	60	-
25	PRCS 50MNI	50	5 x 3m	-	15

HMS (HEAVY MECHANICAL STRESS)					
# 26	PRCS 19H	19	100 x 3m	300	-
# 27	PRCS 19HNI	19	40 x 3m	-	120
28	PRCS 20H	20	100 x 3m	300	-
29	PRCS 20HNI	20	40 x 3m	-	120
30	PRCS 25H	25	50 x 3m	150	-
31	PRCS 25HNI	25	25 x 3m	-	75
32	PRCS 32H	32	50 x 3m	150	-
33	PRCS 32HNI	32	10 x 3m	-	30
34	PRCS 40H	40	25 x 3m	75	-
35	PRCS 40HNI	40	5 x 3m	-	15
36	PRCS 50H	50	20 x 3m	60	-
37	PRCS 50HNI	50	5 x 3m	-	15

LMS (LIGHT MECHANICAL STRESS) ≈ FRLS ☿ UVS CE 					
# 38	PFRL 19LS	19	100 x 3m	300	-
# 39	PFRL 19LSNI	19	40 x 3m	-	120
40	PFRL 20LS	20	100 x 3m	300	-
41	PFRL 20LSNI	20	40 x 3m	-	120
42	PFRL 25LS	25	100 x 3m	300	-
43	PFRL 25LSNI	25	25 x 3m	-	75
44	PFRL 32LS	32	50 x 3m	150	-
45	PFRL 32LSNI	32	10 x 3m	-	30
46	PFRL 40LS	40	25 x 3m	75	-
47	PFRL 40LSNI	40	5 x 3m	-	15
48	PFRL 50LS	50	20 x 3m	60	-
49	PFRL 50LSNI	50	5 x 3m	-	15
50	PFRL 63LS	63	18 x 3m	54	-

MMS (MEDIUM MECHANICAL STRESS) ≈ FRLS ☿ UVS CE 					
# 51	PFRL 19MS	19	100 x 3m	300	-
# 52	PFRL 19MSNI	19	40 x 3m	-	120
53	PFRL 20MS	20	100 x 3m	300	-
54	PFRL 20MSNI	20	40 x 3m	-	120
55	PFRL 25MS	25	100 x 3m	300	-
56	PFRL 25MSNI	25	25 x 3m	-	75
57	PFRL 32MS	32	50 x 3m	150	-
58	PFRL 32 MSNI	32	10 x 3m	-	30
59	PFRL 40MS	40	25 x 3m	75	-
60	PFRL 40MSNI	40	5 x 3m	-	15
61	PFRL 50MS	50	20 x 3m	60	-
62	PFRL 50MSNI	50	5 x 3m	-	15

HMS (HEAVY MECHANICAL STRESS) ≈ FRLS ☿ UVS CE 					
# 63	PFRL 19HS	19	100 x 3m	300	-
# 64	PFRL 19HSNI	19	40 x 3m	-	120
65	PFRL 20HS	20	100 x 3m	300	-
66	PFRL 20HSNI	20	40 x 3m	-	120
67	PFRL 25HS	25	50 x 3m	150	-
68	PFRL 25HSNI	25	25 x 3m	-	75
69	PFRL 32HS	32	50 x 3m	150	-
70	PFRL 32HSNI	32	10 x 3m	-	30
71	PFRL 40HS	40	25 x 3m	75	-
72	PFRL 40HSNI	40	5 x 3m	-	15
73	PFRL 50HS	50	20 x 3m	60	-
74	PFRL 50HSNI	50	5 x 3m	-	15

#Special Size

≈ FRLS: Fire Retardant - Low Smoke

☿ UVS: Ultra Violet Stabilised

Lead Free for Green Environment

ROUND CONDUIT uPVC PIPES

(SOCKETED) FRLS

HSN : 39172310

SPECIAL SIZES



#	SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
				Pc. x Mtr.	Mtr. / Bdl.
#	75	PRCS 19SPL	19 x 1mm	100 x 3m	300
#	76	PRCS 25SPL	25 x 1mm	100 x 3m	300

Special Size

ROUND CONDUIT uPVC PIPE FITTINGS

HSN : 73201019



BENDING SPRING

SR. NO.	PRODUCT CODE	SIZE OD (mm)	COLOUR	STANDARD PACK	
				Pc/Bag	Pc/Carton
LIGHT GAUGE					
77	PBS20L	20	Black	10	50
78	PBS25L	25	Black	5	25
MEDIUM GAUGE					
79	PBS20M	20	Silver	10	50
80	PBS25M	25	Silver	5	25
HEAVY GAUGE					
81	PBS20H	20	Gold	10	50
82	PBS25H	25	Gold	5	25

Ø Suitable for 19mm LMS and 19mm MMS conduits also.

IS:3419



1988

ROUND CONDUIT uPVC PIPE FITTINGS

HSN : 39174000



CIRCULAR BOX WITHOUT LID



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
83	PRCB 191	19	20	600
84	PRCB 201	20	20	600
85	PRCB 251	25	15	450
86	PRCB 321	32	10	160
87	PRCB 401	40	10	160
88	PRCB 501	50	5	80

TERMINAL - 1 WAY



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
95	PRCB 192S	19	20	400
96	PRCB 202S	20	20	400
97	PRCB 252S	25	15	300
98	PRCB 322S	32	10	160
99	PRCB 402S	40	10	160
100	PRCB 502S	50	5	80

THROUGH - 2 WAY



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
89	PRCB 192A	19	20	400
90	PRCB 202A	20	20	400
91	PRCB 252A	25	15	300
92	PRCB 322A	32	10	160
93	PRCB 402A	40	10	160
94	PRCB 502A	50	5	80

ANGLE - 2 WAY



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
101	PRCB 193	19	20	400
102	PRCB 203	20	20	400
103	PRCB 253	25	15	300
104	PRCB 323	32	10	160
105	PRCB 403	40	10	160
106	PRCB 503	50	5	80

TEE - 3 WAY

ROUND CONDUIT uPVC PIPE FITTINGS

HSN : 39174000



CIRCULAR BOX WITHOUT LID

CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
107	PRCB 194	19	20	400
108	PRCB 204	20	20	400
109	PRCB 254	25	15	240
110	PRCB 324	32	10	160
111	PRCB 404	40	10	160
112	PRCB 504	50	5	80

INTERSECTION - 4 WAY

DEEP CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
113	PRCB 191D	19	10	280
114	PRCB 201D	20	10	280
115	PRCB 251D	25	10	280
116	PRCB 321D	32	10	280

TERMINAL - 1 WAY

DEEP CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
117	PRCB 192AD	19	10	280
118	PRCB 202AD	20	10	280
119	PRCB 252AD	25	10	280
120	PRCB 322AD	32	10	280

ANGLE - 2 WAY

DEEP CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
121	PRCB 192SD	19	10	200
122	PRCB 202SD	20	10	200
123	PRCB 252SD	25	10	200
124	PRCB 322SD	32	10	200

THROUGH - 2 WAY

DEEP CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
125	PRCB 193D	19	10	220
126	PRCB 203D	20	10	220
127	PRCB 253D	25	10	220
128	PRCB 323D	32	10	160

TEE - 3 WAY

DEEP CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
129	PRCB 194D	19	10	220
130	PRCB 204D	20	10	220
131	PRCB 254D	25	10	220
132	PRCB 324D	32	10	160

INTERSECTION - 4 WAY

CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
133	PRCB 19U	19	20	400
134	PRCB 20U	20	20	400
135	PRCB 25U	25	20	400

BRANCH - 2 WAY (U)

CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
136	PRCB 19Y	19	20	400
137	PRCB 20Y	20	20	400
138	PRCB 25Y	25	15	300

BRANCH - 3 WAY (Y)

ROUND CONDUIT uPVC PIPE FITTINGS

HSN : 39174000



CIRCULAR BOX WITHOUT LID



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
139	PRCB 19H	19	15	300
140	PRCB 20H	20	15	300
141	PRCB 25H	25	15	300

BRANCH - 4 WAY (H)



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
142	PRCB 201 BO	20	20	400
143	PRCB 251 BO	25	15	300

BACK OUTLET - 1 WAY



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
144	PRCB 202S BO	20	20	400
145	PRCB 252S BO	25	15	300

BACK OUTLET THROUGH - 2 WAY



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
146	PRCB 202A BO	20	20	400
147	PRCB 252A BO	25	15	300

BACK OUTLET ANGLE - 2 WAY



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
148	PRCB 203 BO	20	20	400
149	PRCB 253 BO	25	15	300

BACK OUTLET TEE - 3 WAY



CIRCULAR LID

SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
150	PRCL65	65	100	2000
151	PRCL80	80	100	2000
152	PRCL85	85	100	2000
153	PRCL90	90	100	1800
154	PRCL93	93	25	750
155	PRCL110	110	50	900

WITH SCREW



CIRCULAR LID

SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
156	PRCL65WS	65	100	2000
157	PRCL80WS	80	100	2000
158	PRCL85WS	85	100	2000
159	PRCL90WS	90	100	1800
160	PRCL93WS	93	25	750
161	PRCL110WS	110	50	900

WITHOUT SCREW

» 65 - For 19/20/25mm JB, DJB & 32 DJB

» 80 - For 32/40mm JB

» 93 - For 50mm JB

ROUND CONDUIT uPVC PIPE FITTINGS

HSN : 39174000



CIRCULAR BOX WITH LID & SCREW

CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
162	PRCB 191L	19	20	600
163	PRCB 201L	20	20	600
164	PRCB 251L	25	15	450
165	PRCB 321L	32	10	160
166	PRCB 401L	40	10	160
167	PRCB 501L	50	5	80

TERMINAL - 1 WAY

CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
178	PRCB 192SL	19	20	400
179	PRCB 202SL	20	20	400
180	PRCB 252SL	25	15	300
181	PRCB 322SL	32	10	160
182	PRCB 402SL	40	10	160
183	PRCB 502SL	50	5	80

THROUGH - 2 WAY

CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
168	PRCB 201AL	20	20	360
169	PRCB 251AL	25	15	270

TERMINAL - 1 WAY (AUTO LID W/O SCREW)

CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
184	PRCB 202SAL	20	15	270
185	PRCB 252SAL	25	10	180

THROUGH - 2 WAY (AUTO LID W/O SCREW)

CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
170	PRCB 192AL	19	20	400
171	PRCB 202AL	20	20	400
172	PRCB 252AL	25	15	300
173	PRCB 322AL	32	10	160
174	PRCB 402AL	40	10	160
175	PRCB 502AL	50	5	80

ANGLE - 2 WAY

CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
186	PRCB 193L	19	20	400
187	PRCB 203L	20	20	400
188	PRCB 253L	25	15	300
189	PRCB 323L	32	5	110
190	PRCB 403L	40	5	110
191	PRCB 503L	50	5	80

TEE - 3 WAY

CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
176	PRCB 202AAL	20	15	270
177	PRCB 252AAL	25	10	180

ANGLE - 2 WAY (AUTO LID W/O SCREW)

CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
192	PRCB 203AL	20	15	270
193	PRCB 253AL	25	10	180

TEE - 3 WAY (AUTO LID W/O SCREW)

CIRCULAR BOX WITH LID & SCREW



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
194	PRCB 194L	19	20	320
195	PRCB 204L	20	20	320
196	PRCB 254L	25	15	240
197	PRCB 324L	32	5	110
198	PRCB 404L	40	5	110
199	PRCB 504L	50	5	80

INTERSECTION - 4 WAY



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
200	PRCB 204AL	20	12	216
201	PRCB 254AL	25	15	150

INTERSECTION - 4 WAY (AUTO LID W/O SCREW)

PP CIRCULAR BOX WITH LID & SCREW



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
202	PPCB194L	19	15	240
203	PPCB254L	25	10	250

INTERSECTION - 4 WAY (POLYPROPYLENE)

PP DEEP CIRCULAR BOX WITH LID & SCREW



DEEP CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
204	PPCB194DL	19	12	240
205	PPCB254DL	25	10	200

INTERSECTION - 4 WAY (POLYPROPYLENE)

DEEP CIRCULAR BOX WITH LID & SCREW



DEEP CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
206	PRCB 191DL	19	10	280
207	PRCB 201DL	20	10	280
208	PRCB 251DL	25	10	280
209	PRCB 321DL	32	10	280

TERMINAL - 1 WAY



DEEP CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
210	PRCB 192ADL	19	10	280
211	PRCB 202ADL	20	10	280
212	PRCB 252ADL	25	10	280
213	PRCB 322ADL	32	10	280

ANGLE - 2 WAY



DEEP CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
214	PRCB 192SDL	19	10	200
215	PRCB 202SDL	20	10	200
216	PRCB 252SDL	25	10	200
217	PRCB 322SDL	32	10	200

THROUGH - 2 WAY



DEEP CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
218	PRCB 193DL	19	10	220
219	PRCB 203DL	20	10	220
220	PRCB 253DL	25	10	220
221	PRCB 323DL	32	10	160

TEE - 3 WAY

ROUND CONDUIT uPVC PIPE FITTINGS

HSN: 39174000



DEEP CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
222	PRCB 194DL	19	10	220
223	PRCB 204DL	20	10	220
224	PRCB 254DL	25	10	220
225	PRCB 324DL	32	10	160

INTERSECTION - 4 WAY



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
226	PRCB 19UL	19	20	400
227	PRCB 20UL	20	20	400
228	PRCB 25UL	25	20	400

BRANCH - 2 WAY (U)



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
229	PRCB 19YL	19	15	300
230	PRCB 20YL	20	15	300
231	PRCB 25YL	25	15	300

BRANCH - 3 WAY (Y)



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
232	PRCB 19HL	19	15	300
233	PRCB 20HL	20	15	300
234	PRCB 25HL	25	15	300

BRANCH - 4 WAY (H)



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
235	PRCB 201 BOL	20	20	400
236	PRCB 251 BOL	25	15	300

BACK OUTLET - 1 WAY

CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
237	PRCB 202S BOL	20	15	300
238	PRCB 252S BOL	25	15	240

BACK OUTLET THROUGH - 2 WAY



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
239	PRCB 202A BOL	20	15	300
240	PRCB 252A BOL	25	15	240

BACK OUTLET ANGLE - 2 WAY



CIRCULAR BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
241	PRCB 203 BOL	20	15	300
242	PRCB 253 BOL	25	15	240

BACK OUTLET TEE - 3 WAY



CIRCULAR EXTENSION RING

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
243	PRER 20	20	50	800
244	PRER 25	25	40	640

LOOP IN BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
245	PRLB 19	19 (4 punch)	20	400
246	PRLB 20	20 (4 punch)	20	400
247	PRLB 25	25 (2 punch)	20	400

LOOP IN BOX EXTENSION



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
248	PRLB 20E	20	24	384

ROUND CONDUIT uPVC PIPE FITTINGS

HSN: 39174000



COUPLER

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
249	PCR 19	19	100	2000
250	PCR 20	20	100	2000
251	PCR 20 L	20 Long	150	2400
252	PCR 25	25	100	2000
253	PCR 32	32	60	960
254	PCR 40	40	30	480
255	PCR 50	50	20	320



SLIP TYPE BEND

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
268	PRBN 19	19	65	1040
269	PRBN 20	20	65	1040
270	PRBN 25	25	35	560
271	PRBN 32	32	20	320
272	PRBN 40	40	10	160
273	PRBN 50	50	5	80
274	PRBN 63	63	-	50



EXPANSION COUPLER

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
256	PCR 20E	20	20	600
257	PCR 25E	25	12	360
258	PCR 32E	32	8	240
259	PCR 50E	50	10	160



SLIP TYPE LONG BEND

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
275	PRBL 19	19	45	720
276	PRBL 20	20	45	720
277	PRBL 25	25	20	320
278	PRBL 32	32	10	160
279	PRBL 40	40	-	80
280	PRBL 50	50	-	55



REDUCER COUPLER

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
260	PRR1	25>20	250	4000

(PIPE TO FITTING)



REDUCER COUPLER

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
261	PRR 2520	25 > 20	75	1500
262	PRR 3220	32 > 20	60	1200
263	PRR 3225	32 > 25	40	800
264	PRR 4020	40 > 20	48	960
265	PRR 4032	40 > 32	32	640
266	PRR 5032	50 > 32	30	480
267	PRR 5040	50 > 40	30	480

(PIPE TO PIPE)



SPACE BAR SADDLE

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
281	PRBS 19	19	100	2000
282	PRBS 20	20	100	2000
283	PRBS 25	25	100	2000
284	PRBS 32	32	100	1600
285	PRBS 40	40	80	1280
286	PRBS 50	50	60	960
287	PRBS 63	63	-	50

ROUND CONDUIT uPVC PIPE FITTINGS

HSN: 39174000



SADDLE STRAP



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
288	PRSS 19	19	100	2000
289	PRSS 20	20	100	2000
290	PRSS 25	25	100	2000
291	PRSS 32	32	100	1600
292	PRSS 40	40	80	1280
293	PRSS 50	50	60	960

FEMALE BUSH ADAPTOR



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
306	PFBA 19	19	100	2000
307	PFBA 20	20	100	2000
308	PFBA 25	25	100	2000
309	PFBA 32	32	75	1200
310	PFBA 40	40	50	800
311	PFBA 50	50	25	400

SELF LOCKING SADDLE CLIP



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
294	PPSC20SL	20	75	450
295	PPSC25SL	25	50	300

(POLYPROPYLENE)

ROUND ELBOW



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
312	PRE 20	20	125	2500
313	PRE 25	25	75	1200
314	PRE 32	32	20	400
315	PRE 40	40	15	300
316	PRE 50	50	10	200

ROUND 'U' CLIP



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
296	PRUC 20	20	200	4000
297	PRUC 25	25	100	3000

END CAP



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
298	PREC 20	20	150	3000
299	PREC 25	25	100	2000
300	PREC 32	32	70	1400
301	PREC 40	40	32	640
302	PREC 50	50	24	480

ROUND TEE



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
317	PRT 20	20	50	1500
318	PRT 25	25	50	800
319	PRT 32	32	15	300
320	PRT 40	40	10	200
321	PRT 50	50	10	160

MALE BUSH ADAPTOR



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
303	PMBA 19	19	100	2000
304	PMBA 20	20	100	2000
305	PMBA 25	25	100	2000

INSPECTION ELBOW



SR. NO.	PRODUCT CODE	SIZE OD (mm)	STANDARD PACK	
			Pc./Box	Pc./Carton
322	PIE 20	20	20	600
323	PIE 25	25	20	400

ROUND CONDUIT uPVC PIPE FITTINGS

HSN: 39174000



INSPECTION TEE



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
324	PIT 20	20	20	600
325	PIT 25	25	20	400

INSPECTION BEND



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
326	PIB 20	20	20	600
327	PIB 25	25	20	400

ADAPTABLE BOX WITH LID



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
328	PAB 75L	3" x 3" x 2"	10	200
		75x75x50		
329	PAB 110L	4" x 4" x 3"	-	100
		110x110x75		
330	PAB 160L	6" x 4" x 3"	-	75
		160x110x75		
331	PAB 160SL	6" x 6" x 3"	-	50
		160x160x75		
332	PAB 225SL	9" x 9" x 3"	-	20
		225x225x75		
333	PAB 300SL	12" x 12" x 4"	-	5
		300x300x110		

SURFACE SWITCH BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
334	PSB1	3" x 3"	10	300
335	PSB2	6" x 3"	10	200

(WHITE)

SWITCH BOX LID



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
336	PSBL1 LID	3" x 3"	40	1200
337	PSBL2 LID	6" x 3"	25	750

(WHITE)

FLUSH MOUNTED



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
338	PFSB1	3" x 3" x 2"	10	200
339	PFSB2	6" x 3" x 2"	10	160

(SWITCH BOX)



FAN BOX

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
340	PRFB20	20 Standard	10	220
341	PRFB25	25 Standard	10	220
342	PRFB20SL	20 Large	10	140
343	PRFB25SL	25 Large	10	140
344	PRFBRD2025	20/25 with Rod	1	28
345	PRFBRD25	25 with Rod	1	28

(BLACK)

METAL FAN BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK
		OD (mm)	Pc./Bag
346	PMFB 2025	20/25	50

WITH ROD (BROWN)

HSN : 73072900

uPVC SOLVENT CEMENT



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK		
		(ml)	Colour	Pc./Box	Pc./Carton
347	PSC100 ML	100ml	Transparent	24	144
348	PSC250 ML	250ml	Transparent	24	96
349	PSC500 ML	500ml	Transparent	12	48
350	PSC1L	1L	Transparent	6	24
351	PSC5L	5L	Transparent	-	6

HSN: 35061000

PVC ELECTRICAL INSULATION TAPE



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		W(mm)xL(Mtr)	Pc./Box	Pc./Carton
352	PPIT 18	18x6	30	540

HSN : 85469090

* 20mm Knockout Available Δ 32/38/40mm Knockout Available
 ≠ 20/25 Knockout Available ◇ 50mm Knockout Available



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ALL WEATHER BOXES

Precision All Weather Boxes

are manufactured from high quality impact resistant Engineering Thermoplastics (Polycarbonate / ABS). The material itself is self-extinguishing and our specially developed formulation gives it special ability to withstand high temperatures. The product passes stringent IP 67 standard requirements which makes it suitable to use indoor and outdoor in harsh environment. Our specially made design gives it highest level of safety from unwanted ingress of oil / water / any other solid waste.



Applications

Enclosure boxes for electrical installations.
Suitable for Outdoor / Indoor environment.

Features

- IP 67 compliance, suitable for Outdoor Installations (CIPET tested)
- Specially formulated Engineering Thermoplastic (Polycarbonate / ABS) gives temperature protection ranging from -40°C to $+90^{\circ}\text{C}$
- Weatherproof, Dust proof and Impact resistant
- Transparent lids ensure enhanced visibility
- Innovative design makes compatible for various types of Switchgears / Electrical components
- Body part with adequate molded markings for easy cable entry location from all sides
- Various sizes available as per individual choice
- Screws supplied are made up of anti-rust SS / Engineering Plastic for corrosion free working and durability as well.



ALL WEATHER BOXES

IP 67 HSN: 85381010

GREY

ALL WEATHER BOXES OPAQUE LID (ABS)



Sr No.	Product Code	Size L x W x H (mm)	Standard Pack (Pc/Carton)	Rate (Pc)
353	PAB 8383OL	83 X 83 X 65	21	193.00
354	PAB 8888OL	88 X 88 X 53	27	202.00
355	PAB 9898OL	98 X 98 X 61	24	223.50
356	PAB 100100OL	100 X 100 X 65	21	224.50
357	PAB 13080OL	130 X 80 X 65	16	258.50
358	PAB 130130OL	130 X 130 X 80	16	383.00
359	PAB 139119OL	139 X 119 X 70	10	217.00
360	PAB 167125OL	167 X 125 X 82	12	269.50
361	PAB 18080OL	180 X 80 X 90	12	313.00
362	PAB 1801OL	180 X 130 X 75	16	425.00
363	PAB 1802OL	180 X 130 X 100	12	429.50
364	PAB 180180OL	180 X 180 X 100	20	552.50
365	PAB 200160OL	200 X 160 X 98	8	424.00
366	PAB 210190OL	210 X 190 X 100	6	635.00
367	PAB 27080OL	270 X 80 X 90	12	384.00
368	PAB 280190OL	280 X 190 X 130	4	787.00
369	PAB 280280OL	280 X 280 X 130	2	1110.00
370	PAB 380190OL	380 X 190 X 130	3	1018.00
371	PAB 380280OL	380 x 280 x 130	2	1445.50
372	PAB 560380OL	560 X 380 X 180	2	3367.00

⊗ With Knockout

ALL WEATHER BOXES TRANSPARENT LID (ABS)



Sr No	Product Code	Size: L x W x H (mm)	Standard Pack (Pc/Carton)
373	PAB 18080TL	180 X 80 X 90	12
374	PAB 27080TL	270 X 80 X 90	12
375	PAB 180130TL	180 X 130 X 100	12
376	PAB 180180TL	180 X 180 X 100	20
377	PAB 210190TL	210 X 190 X 100	6
378	PAB 280190TL	280 X 190 X 130	4
379	PAB 280280TL	280 X 280 X 130	2
380	PAB 380190TL	380 X 190 X 130	3
381	PAB 380280TL	380 x 280 x 130	2
382	PAB 560380TL	560 X 380 X 180	2



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G.I & M.S. CONDUIT PIPES & FITTINGS

Precision G.I & M.S. Conduit Pipes

are manufactured from rigorously tested raw material, in accordance with IS 9537 Part – 2.

G.I. Conduit Pipes are coated at a hot dipped galvanising plant in which iron or steel is coated with a layer of zinc. This coating makes the conduit safe and durable for industrial installations, coastal line atmosphere & thermal power stations.

M.S. Conduit Pipes are treated and coated with paint.



Applications

Channelising electrical surface wiring and cable ducting.

Features



Anti - Rust Coat



Good Finish



Easy to cut



High resistance
to Corrosion



DIMENSIONS OF G.I. & M.S. CONDUIT PIPES

NORMAL SIZE	OUTSIDE DIAMETER	TOLERANCE OD	WALL THICKNESS	WALL THICKNESS TOLERANCE
MM	MM	MM	MM	MM
20	20	0 -0.3	1.60	±0.2
25	25	0 -0.4	1.60	±0.2
32	32	0 -0.4	1.60	±0.2
40	40	0 -0.4	2.00	+0.2 -0.4
50	50	0 -0.5	2.00	+0.2 -0.4



G.I. CONDUIT PIPES

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Mtr	Mtr./Bdl.
383	PGIC 20	20	26 x 3m	78
384	PGIC 25	25	21 x 3m	63
385	PGIC 32	32	16 x 3m	48
386	PGIC 40	40	10 x 3m	30
387	PGIC 50	50	5 x 3m	15

- COLOUR: SILVER



M.S. CONDUIT PIPES

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Mtr	Mtr./Bdl.
388	PMSC 20	20	26 x 3m	78
389	PMSC 25	25	21 x 3m	63
390	PMSC 32	32	16 x 3m	48
391	PMSC 40	40	10 x 3m	30
392	PMSC 50	50	5 x 3m	15

- COLOUR: BLACK

G.I. & M.S. CONDUIT PIPE FITTINGS

HSN : 73269099

G.I. - SILVER

M.S. - BLACK

CIRCULAR BOX WITH LID AND SCREW

G.I. CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
393	PGIB 251	25	20	200

TERMINAL - 1 WAY (SCREW TYPE)

M.S. CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
397	PMSB 202S	20	20	200
398	PMSB 252S	25	20	200

THROUGH - 2 WAY (SCREW TYPE)

M.S. CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
394	PMSB 201	20	20	200
395	PMSB 251	25	20	200

TERMINAL - 1 WAY (SCREW TYPE)

G.I. CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
399	PGIB 253	20	20	200

TEE - 3 WAY (SCREW TYPE)

G.I. CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
396	PGIB 252S	25	20	200

THROUGH - 2 WAY (SCREW TYPE)

M.S. CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
400	PMSB 203	20	20	200
401	PMSB 253	25	20	200

TEE - 3 WAY (SCREW TYPE)

G.I. & M.S. CONDUIT PIPE FITTINGS

HSN : 73269099



G.I. CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
402	PGIB 254	25	20	200

INTERSECTION - 4 WAY (SCREW TYPE)

M.S. INSPECTION BEND



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
406	PMS 20IBT	20	20	200
407	PMS 25IBT	25	20	200

(SCREW TYPE)

M.S. CIRCULAR BOX



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
403	PMSB 204	20	20	200
404	PMSB 254	25	20	200

INTERSECTION - 4 WAY (SCREW TYPE)

M.S. NORMAL BEND



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
408	PMS 25NBIT	25	12	144

INTERNAL THREAD

G.I. INSPECTION BEND



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
405	PGI 25IBT	25	20	200

(THREAD TYPE)



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uPVC MINI/MAXI TRUNKING PROFILE & FITTINGS

Precision uPVC Mini/Maxi Trunking Profile & Fittings are manufactured from high impact unplasticised polyvinyl chloride (uPVC) grade material capable of withstanding the most hazardous conditions on-site and exceeds the most stringent requirements of Indian and International standards. The product range brings a whole new world of sophistication and convenience to home, office and commercial establishments and is in accordance with Indian Standard IS 14927 - Part 2 and BS EN 50085 -2-1. Mini Trunking Profile are also available with self-fixing tape for instant and easy installation. Clip on lid provides security while allowing easy maintenance.

Precision uPVC Maxi Trunking Profile Cable Management System is designed for convenience and safety with compartments for separate wiring applications. Maxi Trunking Profile Fittings are available in moulded and fabricated form, thus adding a sleek touch to your interiors.



Applications

To organize and protect cables on surface.

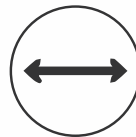
Features



Easy and quick
installation



Secure &
Elegant look



Various Sizes
Available



Durable & Impact
Resistant



Fire retardant



Thermal resistant
(-5° C to +60° C)



UPVC MINI / MAXI TRUNKING PROFILE

CE FR HSN: 39162019

IVORY

WHITE



UPVC MINI TRUNKING PROFILE

SR. NO.	PRODUCT CODE	SIZE (WxH)	STANDARD PACK	
		(mm)	Pc./Mtr	Mtr / Bdl
409	PT2012	20 x 12	100 x 2m	200
410	PT2512	25 x 12	100 x 2m	200
# 411	PT3015	30 x 15	100 x 2m	200
# 412	PT3212	32 x 12	100 x 2m	200
# 413	PT1616	16 x 16	100 x 2m	200
414	PT2516	25 x 16	100 x 2m	200
415	PT2516SPL	25 x 16	100 x 2m	200
# 416	PT3216	32 x 16	100 x 2m	200
417	PT3816	38 x 16	50 x 2m	100
418	PT3825	38 x 25	50 x 2m	100
419	PT3838	38 x 38	25 x 2m	50
420	PT5016	50 x 16	50 x 2m	100

(IVORY/WHITE)



UPVC MAXI TRUNKING PROFILE

SR. NO.	PRODUCT CODE	SIZE (WxH)	STANDARD PACK	
		(mm)	Pc./Mtr	Mtr / Bdl
421	PT5050	50 x 50	20 x 2m	40
422	PT7550	75 x 50	12 x 2m	24
423	PT7575	75 x 75	9 x 2m	18
424	PT10050	100 x 50	10 x 2m	20
425	PT100100	100 x 100	6 x 2m	12
426	PT15050	150 x 50	5 x 2m	10
427	PT150100	150 x 100	4 x 2m	8

(WHITE)



UPVC MAXI TRUNKING PROFILE DIVIDER

SR. NO.	PRODUCT CODE	SIZE (WxH)	STANDARD PACK	
		(mm)	Pc./Mtr	Mtr / Bdl
∞ 428	PMTD	Standard	50 x 2m	100

Special Size

(WHITE)

∞ 100 x 50

UPVC MINI / MAXI TRUNKING PROFILE FITTINGS (MOULDED)

HSN: 39174000

IVORY

WHITE



COUPLER

SR. NO.	PRODUCT CODE	SIZE (W x H) (mm)	STANDARD PACK Pc./Box
429	PTC 2012	20 x 12	100
430	PTC 2512	25 x 12	100
431	PTC 3212	32 x 12	100
432	PTC 1616	16 x 16	100
433	PTC 3816	38 x 16	50
434	PTC 3825	38 x 25	50
435	PTC 10050	100 x 50(W)	10



INTERNAL BEND

SR. NO.	PRODUCT CODE	SIZE (W x H) (mm)	STANDARD PACK Pc./Box
450	PTI 2512	25 x 12	100
451	PTI 3212	32 x 12	100
452	PTI 1616	16 x 16	100
453	PTI 3816	38 x 16	100
454	PTI 3825	38 x 25	50
455	PTI 10050	100 x 50(W)	10



ELBOW

SR. NO.	PRODUCT CODE	SIZE (W x H) (mm)	STANDARD PACK Pc./Box
436	PTB 2012	20 x 12	100
437	PTB 2512	25 x 12	100
438	PTB 3212	32 x 12	100
439	PTB 1616	16 x 16	100
440	PTB 3816	38 x 16	100
441	PTB 3825	38 x 25	100
442	PTB 10050	100 x 50(W)	10



EXTERNAL BEND

SR. NO.	PRODUCT CODE	SIZE (W x H) (mm)	STANDARD PACK Pc./Box
456	PTE 2512	25 x 12	100
457	PTE 3212	32 x 12	100
458	PTE 1616	16 x 16	100
459	PTE 3816	38 x 16	100
460	PTE 3825	38 x 25	50
461	PTE 10050	100 x 50(W)	10



TEE

SR. NO.	PRODUCT CODE	SIZE (W x H) (mm)	STANDARD PACK Pc./Box
443	PTT 2012	20 x 12	100
444	PTT 2512	25 x 12	50
445	PTT 3212	32 x 12	50
446	PTT 1616	16 x 16	100
447	PTT 3816	38 x 16	50
448	PTT 3825	38 x 25	50
449	PTT 10050	100 x 50(W)	10



4 - WAY

SR. NO.	PRODUCT CODE	SIZE (W x H) (mm)	STANDARD PACK Pc./Box
462	PTW3212	32 x 12	50



END CAP

SR. NO.	PRODUCT CODE	SIZE (W x H) (mm)	STANDARD PACK Pc./Box
463	PMTTC 100	100 x 50(W)	50

- ABS

UPVC MINI / MAXI TRUNKING PROFILE FITTINGS (MOULDED)

HSN: 39174000



JUNCTION LINKER



SR. NO.	PRODUCT CODE	SIZE (W x H)	STANDARD PACK	
		(mm)	Pc./Bag	Pc./Carton
464	PTJL7575	Standard	20	300

(POLY PROPYLENE)

SURFACE SWITCH BOX



SR. NO.	PRODUCT CODE	SIZE (W x H)	STANDARD PACK	
		(mm)	Pc./Box	Pc./Carton
465	PTSB1	3"x3" (W)	10	300
466	PTSB2	6"x3" (W)	10	200

- TRUNKING KNOCKOUT

\$ 16 x 16, 25 x 16 Knockout Available
(W) - White

UPVC MINI / MAXI TRUNKING PROFILE FITTINGS (FABRICATED)

HSN: 39174000



ELBOW



SR. NO.	PRODUCT CODE	SIZE (W x H) (mm)	STANDARD PACK Pc./Bag
467	PMTL50	50 x 50	5
468	PMTL751	75 x 50	5
469	PMTL752	75 x 75	5
470	PMTL1002	100 x 100	5
471	PMTL1501	150 x 50	5

EXTERNAL ANGLE



SR. NO.	PRODUCT CODE	SIZE (W x H) (mm)	STANDARD PACK Pc./Bag
482	PMTE50	50 x 50	5
483	PMTE751	75 x 50	5
484	PMTE752	75 x 75	5
485	PMTE1002	100 x 100	5
486	PMTE1501	150 x 50	5

TEE



SR. NO.	PRODUCT CODE	SIZE (W x H) (mm)	STANDARD PACK Pc./Bag
472	PMTT50	50 x 50	5
473	PMTT751	75 x 50	5
474	PMTT752	75 x 75	5
475	PMTT1002	100 x 100	5
476	PMTT1501	150 x 50	5

END CAP



SR. NO.	PRODUCT CODE	SIZE (W x H) (mm)	STANDARD PACK Pc./Bag
487	PFTC50	50 x 50	5
488	PFTC751	75 x 50	5
489	PFTC752	75 x 75	5
490	PFTC1002	100 x 100	5
491	PFTC1501	150 x 50	5

INTERNAL ANGLE

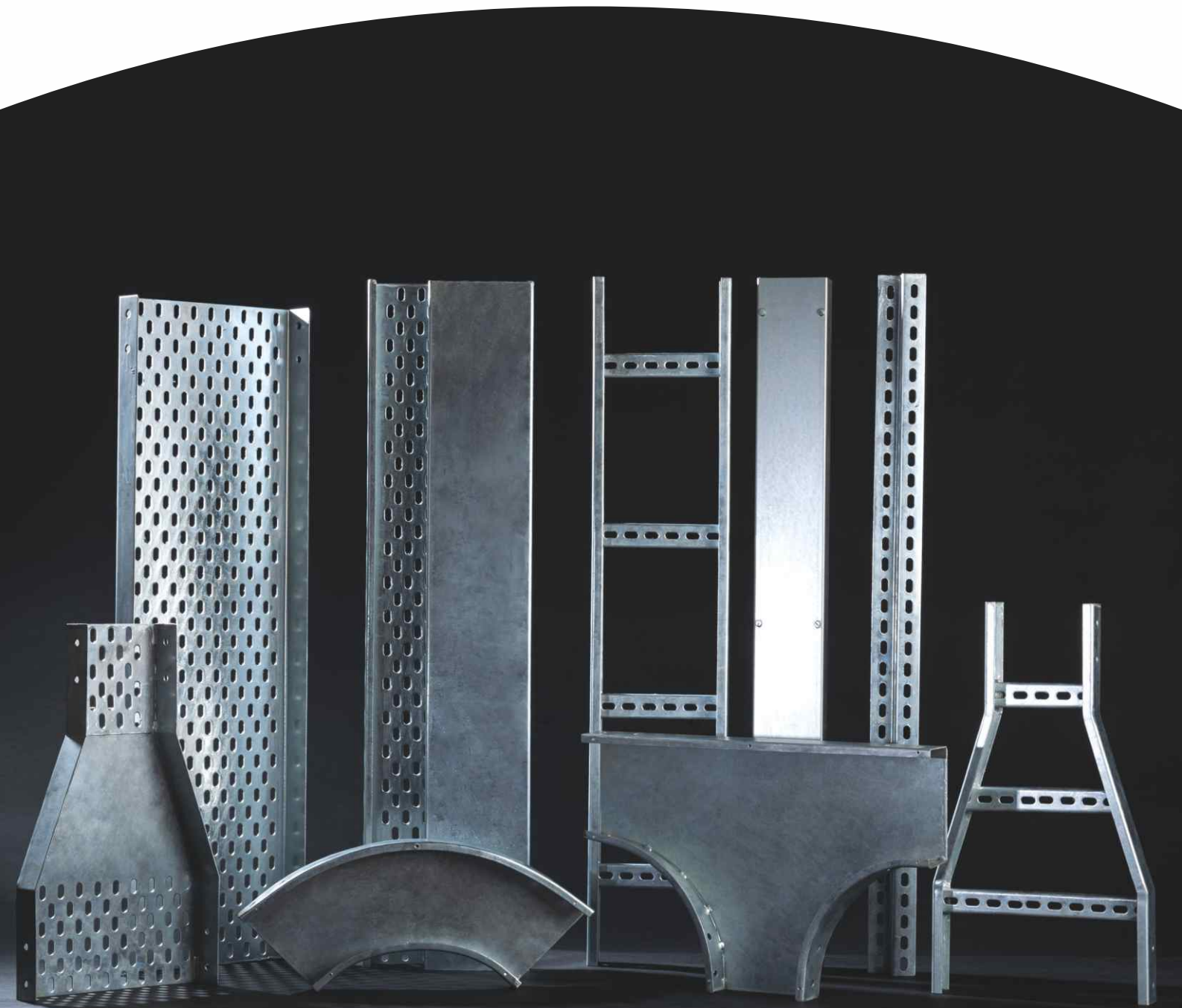


SR. NO.	PRODUCT CODE	SIZE (W x H) (mm)	STANDARD PACK Pc./Bag
477	PMTI50	50 x 50	5
478	PMTI751	75 x 50	5
479	PMTI752	75 x 75	5
480	PMTI1002	100 x 100	5
481	PMTI1501	150 x 50	5



PRECISION[®]

Pipes | Desh ki Lifeline





METALLIC CABLE MANAGEMENT SYSTEM

Precision after serving India and overseas markets all these years in routing wires through our conduits, we have launched metallic cable management system to route HT/ LT/ LV cables through our Perforated, Ladder & Trunking cable tray with accessories.



It comes in 3 major categories as follows.

- a) Trunking Cable Tray (TCT) and Fittings
- b) Perforated Cable Tray (PCT) and Fittings
- c) Ladder Cable Tray (LCT) and Fittings

All above categories are further divided in various finishes such as

- i) Hot Dip Galvanized (HDG)
- ii) Powder Coated (PC)
- iii) Enamel Painted (EP)
- iv) Pre-Galvanized Sheets (PG)

Applications

Metallic Cable Management System for
HT/ LT/ LV cables

Suitable for Indoor and Outdoor environment.

Features

- Available in different Thicknesses ranging from 1.6 mm to 3.0 mm
- Various Width x Height sizes available to make it cost effective
- Choice of Finishes / Raw Materials available as per individual requirements
- Available in standard length of 2.5 Mtr
- Once fixed, it is absolutely Maintenance Free
- Availability of lids makes it easy to open in case of future work at later stage
- All raw material used is of IS grade
- Complimentary 2 nos of Coupler Plates & Nut-Bolts with each Cable Tray
- Suitable Fittings available in all categories of Cable Tray
- Hot dip Galvanizing comes with 65 μ m as standard Zinc coating. For humid and corrosive environment 80 / 120 μ m coating is also available as per requirements.

METALLIC CABLE MANAGEMENT SYSTEM

HSN : 73089090

TRUNKING CABLE TRAY (TCT)



Sr No	Size: WxH (mm)	Cover WxH (mm)	Standard Length (Mtr)	Standard Pack (Pc)
492	50 x 38	55 X 12	2.5	1
493	50 x 50	55 X 12	2.5	1
494	100 x 50	105 X 12	2.5	1
495	150 x 50	155 X 12	2.5	1
496	200 x 50	205 X 12	2.5	1
497	300 x 50	305 X 12	2.5	1
498	450 x 50	455 X 12	2.5	1
499	600 x 50	605 X 12	2.5	1
500	100 x 70	105 X 12	2.5	1
501	150 x 75	155 X 12	2.5	1
502	200 x 75	205 X 12	2.5	1
503	300 x 75	305 X 12	2.5	1
504	450 x 75	455 X 12	2.5	1
505	600 x 75	605 X 12	2.5	1

ACCESSORIES FOR TRUNKING CABLE TRAY (TCT)



Sr No	Fitting	Type	Standard Pack (Pc)
506	45° Bend	Horizontal	1
507	45° Bend	Vertical	1
508	90° Bend	Horizontal	1
509	90° Bend	Vertical	1
510	Tee joint	Equal	1
511	Tee joint	Unequal	1
512	Reducer joint	Concentric	1
513	Reducer joint	Eccentric	1
514	4 way Cross joint	Equal	1
515	4 way Cross joint	Unequal	1

All above sizes are available:

In 1.60mm, 2.0 mm, 2.50mm and 3.0mm thickness also.

In HR / CRCA / Pre - Galvanised / Aluminum material also.

In Hot dip Galvanised / Powder Coated / Painted / Pre - Galvanised finishes also.

All above fittings are available for TCT range from 50 x 38 mm to 600 x 75 mm.

METALLIC CABLE MANAGEMENT SYSTEM

HSN : 73089090

PERFORATED CABLE TRAY (PCT)



Sr No	Size: W x H (mm)	Standard Length (Mtr)	Standard Pack (Pc)
516	50 x 50	2.5	1
517	100 x 50	2.5	1
518	150 x 50	2.5	1
519	200 x 50	2.5	1
520	300 x 50	2.5	1
521	450 x 50	2.5	1
522	600 x 50	2.5	1
523	100 x 75	2.5	1
524	150 x 75	2.5	1
525	200 x 75	2.5	1
526	300 x 75	2.5	1
527	450 x 75	2.5	1
528	600 x 75	2.5	1
529	150 x 100	2.5	1
530	200 x 100	2.5	1
531	300 x 100	2.5	1
532	450 x 100	2.5	1
533	600 x 100	2.5	1

ACCESSORIES FOR PERFORATED CABLE TRAY (PCT)



Sr No	Fitting	Type	Standard Pack (Pc)
534	45° Bend	Horizontal	1
535	45° Bend	Vertical	1
536	90° Bend	Horizontal	1
537	90° Bend	Vertical	1
538	Tee joint	Equal	1
539	Tee joint	Unequal	1
540	Reducer joint	Concentric	1
541	Reducer joint	Eccentric	1
542	4 way Cross joint	Equal	1
543	4 way Cross joint	Unequal	1

All above sizes are available:

In 1.60mm, 2.0 mm, 2.50mm and 3.0mm thickness also.

In HR / CRCA / Pre - Galvanised / Aluminum material also.

In Hot dip Galvanised / Powder Coated / Painted / Pre - Galvanised finishes also.

Covers are available for Perforated Cable Tray also.

All above fittings are available for PCT range from 50 x 50 mm to 600 x 100 mm.

METALLIC CABLE MANAGEMENT SYSTEM

HSN : 73089090

LADDER CABLE TRAY (LCT)

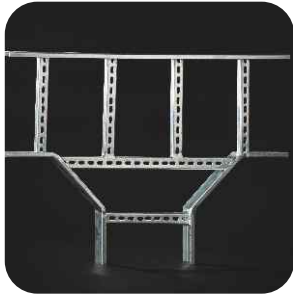


Sr No	Size: W x H (mm)	Standard Length (Mtr)	Standard Pack (Pc)
544	100 x 50	2.5	1
545	150 x 50	2.5	1
546	200 x 50	2.5	1
547	300 x 50	2.5	1
548	450 x 50	2.5	1
549	600 x 50	2.5	1
550	750 x 50	2.5	1
551	900 x 50	2.5	1
552	1000 x 50	2.5	1
553	100 x 75	2.5	1
554	150 x 75	2.5	1
555	200 x 75	2.5	1
556	300 x 75	2.5	1
557	450 x 75	2.5	1
558	600 x 75	2.5	1
559	750 x 75	2.5	1
560	900 x 75	2.5	1
561	1000 x 75	2.5	1
562	1200 x 75	2.5	1
563	1500 x 75	2.5	1
564	150 x 100	2.5	1
565	200 x 100	2.5	1
566	300 x 100	2.5	1
567	450 x 100	2.5	1
568	600 x 100	2.5	1
569	750 x 100	2.5	1
570	900 x 100	2.5	1
571	1000 x 100	2.5	1
572	1200 x 100	2.5	1
573	1500 x 100	2.5	1

METALLIC CABLE MANAGEMENT SYSTEM

HSN : 73089090

ACCESSORIES FOR LADDER CABLE TRAY (LCT)



Sr No	Fitting	Type	Standard Pack (pc)
574	45° Bend	Horizontal	1
575	45° Bend	Vertical	1
576	90° Bend	Horizontal	1
577	90° Bend	Vertical	1
578	Tee joint	Equal	1
579	Tee joint	Unequal	1
580	Reducer joint	Concentric	1
581	Reducer joint	Eccentric	1
582	4 way Cross joint	Equal	1
583	4 way Cross joint	Unequal	1

All above sizes are available:

In 1.60mm, 2.0 mm, 2.50mm and 3.0mm thickness also.

In HR / CRCA / Pre - Galvanised / Aluminum material also.

In Hot dip Galvanised / Powder Coated / Painted / Pre - Galvanised finishes also.

Covers are available for Ladder Cable Tray also.

All above fittings are available for LCT range from 100 x 50 mm to 1500 x 100 mm.

SLOTTED L SECTION



Sr No	Size (mm)	Standard Length (Mtr)	Standard Pack (Pc)
584	25 x 25	2.5	1
585	25 x 30	2.5	1
586	25 x 35	2.5	1
587	30 x 30	2.5	1
588	30 x 35	2.5	1
589	30 x 40	2.5	1
590	30 x 45	2.5	1
591	35 x 30	2.5	1
592	35 x 35	2.5	1
593	30 x 40	2.5	1
594	40 x 35	2.5	1
595	40 x 40	2.5	1
596	40 x 45	2.5	1
597	40 x 50	2.5	1
598	45 x 45	2.5	1
599	45 x 50	2.5	1
600	50 x 50	2.5	1

METALLIC CABLE MANAGEMENT SYSTEM

HSN : 73089090

SLOTTED C SECTION



Sr No	Size (mm)	Standard Length (Mtr)	Standard Pack (Pc)
601	15 X 30 X 15	2.5	1
602	15 X 35 X 15	2.5	1
603	20 X 35 X 20	2.5	1
604	25 X 35 X 25	2.5	1
605	15 X 40 X 15	2.5	1
606	20 X 40 X 20	2.5	1
607	25 X 40 X 25	2.5	1
608	15 X 50 X 15	2.5	1
609	20 X 50 X 20	2.5	1
610	25 X 50 X 25	2.5	1

SLOTTED Z SECTION



Sr No	Size (mm)	Standard Length (Mtr)	Standard Pack (Pc)
611	25 X 25 X 25	2.5	1
612	25 X 30 X 25	2.5	1
613	30 X 30 X 30	2.5	1
614	30 X 35 X 30	2.5	1
615	30 X 40 X 30	2.5	1
616	30 X 50 X 30	2.5	1
617	35 X 30 X 35	2.5	1
618	35 X 35 X 35	2.5	1
619	35 X 40 X 35	2.5	1
620	35 X 50 X 35	2.5	1
621	40 X 35 X 40	2.5	1
622	40 X 40 X 40	2.5	1
623	45 X 40 X 45	2.5	1
624	45 X 45 X 45	2.5	1
625	45 X 50 X 45	2.5	1
626	50 X 45 X 50	2.5	1
627	50 X 50 X 50	2.5	1

All above sizes are available:

In 1.60mm, 2.0 mm, 2.50mm and 3.0mm thickness also.

In HR / CRCA / Pre - Galvanised / Aluminum material also.

In Hot dip Galvanised / Powder Coated / Painted / Pre - Galvanised finishes also.



PRECISION[®]

Pipes | Desh ki Lifeline





uPVC PANEL TRUNKING

Precision uPVC Panel Trunking

is manufactured from high impact unplasticised polyvinyl chloride (uPVC) to ensure panel & machinery safety in extreme conditions. These trunkings are ideal to channelise medium, big size panels & various applications where economy, space saving, safety and durability are paramount.



Applications

To conduct, organise and protect cables inside electrical and telecommunication panels, industrial machinery wiring, computer LAN wiring and data centers.

Features



Fire retardant



Thermal resistant
(-5° C to +60° C)



High Tensile
Strength
(390 kg/cm²)

- Non-brittle, warp proof.
- Vertical slides and detachable strips facilitates systematic wiring, permits faster connections, additions and fault tracing of wires.
- Avoids bunching, taping, and provides complete electrical insulation.
- Unique cover locking design prevents popping of wires while removing cover
- Elongated slots at bottom allows flexible mounting.



GREY

UPVC PANEL TRUNKING ≈ FRLS C €

HSN : 85381010



UPVC PANEL TRUNKING

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		H x W(mm)	Pc/Mtr	Mtr/Carton
628	PPT1515	15 x 15	200 x 1m	200
629	PPT2525	25 x 25	130 x 1m	130
630	PPT3025	30 x 25	125 x 1m	125
631	PPT4525	45 x 25	90 x 1m	90
632	PPT4545	45 x 45	50 x 1m	50
633	PPT4560	45 x 60	50 x 1m	50
634	PPT6025	60 x 25	70 x 1m	70
635	PPT6040	60 x 40	60 x 1m	60
636	PPT6045	60 x 45	50 x 1m	50
637	PPT6060	60 x 60	40 x 1m	40
638	PPT7525	75 x 25	60 x 1m	60
639	PPT7575	75 x 75	30 x 1m	30
640	PPT10075	100 x 75	24 x 1m	24
641	PPT100100	100 x 100	16 x 1m	16

- STANDARD SLOT

UPVC PANEL TRUNKING



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		H x W(mm)	Pc/Mtr	Mtr/Carton
642	PPT3025TS	30 x 25	125 x 1m	125
643	PPT4525TS	45 x 25	90 x 1m	90
644	PPT4545TS	45 x 45	50 x 1m	50
645	PPT4560TS	45 x 60	50 x 1m	50
646	PPT6025TS	60 x 25	70 x 1m	70
647	PPT6040TS	60 x 40	60 x 1m	60
648	PPT6045TS	60 x 45	50 x 1m	50
649	PPT6060TS	60 x 60	40 x 1m	40

- THIN SLOT



UPVC PANEL TRUNKING

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		(mm)	Pc/Mtr	Mtr/Carton
650	PPT25T	25	100 x 1m	100
651	PPT40T	40	50 x 1m	50
652	PPT45T	45	50 x 1m	50
653	PPT60T	60	50 x 1m	50
654	PPT75T	75	25 x 1m	25
655	PPT100T	100	25 x 1m	25

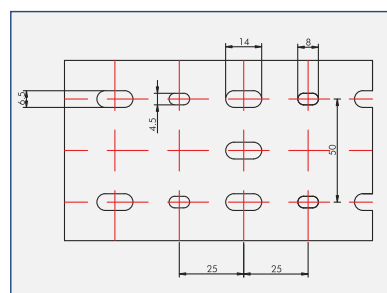
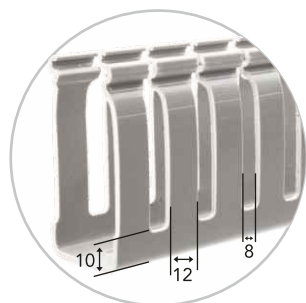
-TOP COVER



STANDARD SLOT



THIN SLOT



For Panel Trunking
75 x 75, 100 x 75, 100 x 100

All Dimensions are in (mm)

OPTIMAL GRIP LID

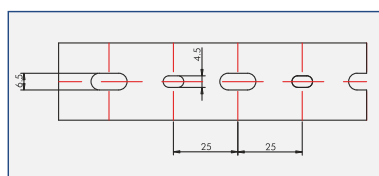
- Precision's Panel Trunking Lid design provides high capacity to sustain loads of wire in the case of a cable positioned in the centre of the duct and avoids them from riding up.
- Quick snap on/off non-slip assembly forms a firm & rigid channel.
- Interlocking lid and channel is optimised to make the system easier to install and to provide discrete routing of cables.
- Uniform grip and thickness throughout the length system with independent non-slip lid, keeps cover in place during high vibration applications.

WALL PERFORATION RIB DESIGN

- All wall perforation ribs of Precision Panel Trunking have larger rounded slots for easy insertion of wires and cables.
- Rounded design with burr-free edges to prevent any injury to the hand of the user or to the cable insulation.

ELONGATED MOUNTING SLOTS

- Perforated base with elongated slot allows flexible mounting and better fastening of the cables.
- Robust sections.



For Panel Trunking

15 x 15, 25 x 25, 30 x 25,
45 x 25, 45 x 45, 45 x 60,
60 x 25, 60 x 45, 60 x 60



PRECISION[®]

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CORRUGATED FLEXIBLE CONDUIT PIPES & FITTINGS

Precision Corrugated Flexible Conduit Pipes & Fittings

come in a wide and comprehensive range of material variants to suit a variety of applications.

These conduits are manufactured in variants based on the final application for wiring purposes.



POLYPROPYLENE FLEXIBLE CONDUITS are the best solution for applications where resistance to constant flexing and vibration is essential, these conduits display excellent flexibility. Moreover, they are light weight and easy to install which makes them very popular. Temperature resistant from -5°C to $+90^{\circ}\text{C}$.

STEEL WIRE REINFORCED FLEXIBLE UPVC CONDUITS are manufactured with soft polyvinyl chloride (uPVC) wall fused to high tensile steel wire in a coiled state. These conduits are unaffected by inorganic acid, alkali & saline water. Most suitable for electrical wiring in buildings, switch boards, panels, machinery, dust collectors, air dusting, exhaust of fumes, shrouds of railway coach wiring and hospital equipments. Temperature resistant from -5°C to $+60^{\circ}\text{C}$.

GALVANISED STEEL FLEXIBLE CONDUIT

Precision Steel Flexible Conduit Pipes are made from galvanised steel, helical wound strips having a square lock type construction and are manufactured in accordance to Indian/British Standards in galvanized zinc coating with spiral corrugated pattern finished surface. Mostly used as low pressure hose in Industrial domestic air conditioning, ventilation systems and as mechanical protection for insulated electrical cables & wires which may be exposed to atmospheric conditions.

GALVANISED STEEL FLEXIBLE CONDUIT WITH PVC COATING

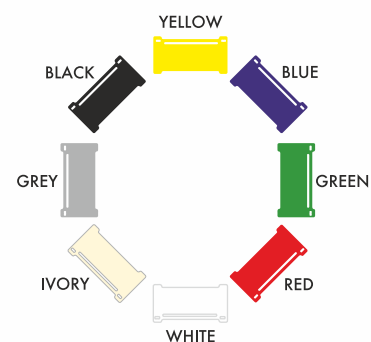
Precision PVC Coated Steel Flexible Conduit Pipes are made from galvanized steel, helical wound strips having a square lock type construction and are manufactured in accordance to Indian/British Standards in poly vinyl coating. They are available in black/grey colour with spiral corrugated pattern finished surface. Most suitable for mechanical protection of cable and wire in tunnels, hospitals, high-rise office blocks and public buildings.



Fire retardant



Corrosion Free



CORRUGATED FLEXIBLE CONDUIT PIPES & FITTINGS

HSN : 39173100



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

DIMENSIONS OF GALVANIZED STEEL FLEXIBLE CONDUIT PIPES

Nominal Size (mm)	Nominal Size (inch)	OD (mm)	ID (mm)	BENDING radius/mm
16	1/2"	15.5	12.5	40
20	3/4"	22.5	19.5	55
25	1"	28	25.0	60
32	1 1/4"	35.0	32.0	70
40	1 1/2"	42.0	38.0	80
50	2	54.0	50.0	90

*Tolerance: Size below 50mm, +/- 1mm & above 50mm +/- 3mm

DIMENSIONS OF GALVANIZED STEEL FLEXIBLE CONDUIT PIPES WITH PVC COATING

Nominal Size (mm)	Nominal Size (inch)	OD (mm)	ID (mm)	BENDING radius/mm
16	1/2"	16.5	12.5	40
20	3/4"	23.5	19.5	55
25	1"	29	25.0	60
32	1 1/4"	36.5	32.0	70
40	1 1/2"	44.0	38.0	80
50	2	57.0	51.0	90

*Tolerance: Size below 50mm, +/- 1mm & above 50mm +/- 3mm

(PP) POLY PROPYLENE



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Mtr./Coil	Mtr./Bag
656	PCFC 10	10	100	1000
657	PCFC 16	16	50	500
658	PCFC 20	20	50	500
659	PCFC 25	25	25	250
660	PCFC 32	32	25	250
661	PCFC 40	40	20	100
662	PCFC 50	50	15	75
663	PCFC 63	63	10	50



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Mtr./Coil	Mtr./Bag
664	PCCL 10	10	100	1000
665	PCCL 16	16	50	500
666	PCCL 20	20	50	500
667	PCCL 25	25	25	250
668	PCCL 32	32	25	250
669	PCCL 40	40	20	100
670	PCCL 50	50	15	75
671	PCCL 63	63	10	50

CORRUGATED FLEXIBLE CONDUIT PIPE FITTINGS



HSN : 39174000



SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
672	PFAG 16	16	125	2250
673	PFAG 20	20	75	1350
674	PFAG 25	25	50	900
675	PFAG 32	32	30	540
676	PFAG 40	40	20	360
677	PFAG 50	50	5	150

CORRUGATED FLEXIBLE CONDUIT GLAND

CORRUGATED FLEXIBLE CONDUIT PIPES & FITTINGS



STEEL WIRE REINFORCED FLEXIBLE UPVC CONDUIT PIPE

HSN : 39172190 

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		ID (mm)	Mtr./Coil	Mtr./Bag
678	PCWR 10	10	30	300
679	PCWR 16	16	30	300
680	PCWR 20	20	30	240
681	PCWR 25	25	30	210
682	PCWR 30	30	30	150
683	PCWR 40	40	30	120
684	PCWR 50	50	30	90
685	PCWR 60	60	15	75



GALVANIZED STEEL FLEXIBLE CONDUIT PIPES

HSN : 83071000 

SR. NO.	PRODUCT CODE	NORMAL SIZE (mm)	NORMAL SIZE (Inch)	STANDARD PACK	
				Mtr./Coil	Mtr./Bag
693	PGIFC 16	16	1/2"	15	210
694	PGIFC 20	20	3/4"	15	150
695	PGIFC 25	25	1"	15	105
696	PGIFC 32	32	1 1/4"	15	75
697	PGIFC 40	40	1 1/2"	15	75
698	PGIFC 50	50	2"	10	50

STEEL WIRE REINFORCED FLEXIBLE UPVC CONDUIT GLAND



HSN : 39174000 

SR. NO.	PRODUCT CODE	SIZE	STANDARD PACK	
		OD (mm)	Pc./Box	Pc./Carton
686	PFRG 10	10	75	1350
687	PFRG 16	16	60	1080
688	PFRG 20	20	45	810
689	PFRG 25	25	30	540
690	PFRG 30	30	20	360
691	PFRG 40	40	15	270
692	PFRG 50	50	5	150

GALVANIZED STEEL FLEXIBLE CONDUIT WITH PVC COATING



HSN : 83071000  

SR. NO.	PRODUCT CODE	NORMAL SIZE (mm)	NORMAL SIZE (Inch)	STANDARD PACK	
				Mtr./Coil	Mtr./Bag
699	PGIFCP 16	16	1/2"	50	250
700	PGIFCP20	20	3/4"	25	150
701	PGIFCP 25	25	1"	25	125
702	PGIFCP 32	32	1 1/4"	15	75
703	PGIFCP 40	40	1 1/2"	15	75
704	PGIFCP 50	50	2"	15	60



**SAFETY
MEIN
SAMJHOTA
NAHIN.**

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, IS 3419:1988, IS 14927-Part 2, BS 4607 and BS EN 61386-21
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. IS 3419:1988, IS 14927-Part 2, BS 4607 and BS EN 61386-21
Insulation Resistance	:	To the requirements of IS 9537-Part 3, IS 3419:1988, IS 14927-Part 2, BS 4607 and BS EN 61386-21
Operating Temperature	:	-5°C to +60°C

STANDARDS

Conduit	:	IS 9537-Part 3, BS EN 61386-21
Conduit Fittings	:	IS 3419:1988 with latest amendment, BS 4607
Trunking	:	IS 14927-Part 2, BS EN 50085-2-1:2006

QUALITY CONFIRMATION



LOW VOLTAGE DIRECTIVE



Precision 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 Precision 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.

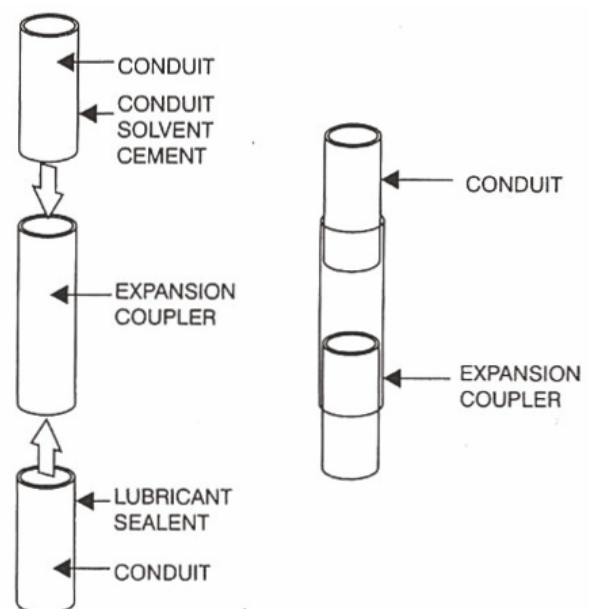
Surface Installation

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. Precision 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 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	-	-
#SPECIAL SIZES					
19	19	-0.3	16.5	16.0	15.1

DIMENSIONS OF G.I. & M.S. CONDUIT PIPES

NORMAL SIZE	OUTSIDE DIAMETER	TOLERANCE OD	WALL THICKNESS	WALL THICKNESS TOLERANCE
MM	MM	MM	MM	MM
20	20	0, -0.3	1.60	±0.2
25	25	0, -0.4	1.60	±0.2
32	32	0, -0.4	1.60	±0.2
40	40	0, -0.4	2.00	+0.2, -0.4
50	50	0, -0.5	2.00	+0.2, -0.4

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

DIMENSIONS OF GALVANIZED STEEL FLEXIBLE CONDUIT PIPES

Nominal Size (mm)	Nominal Size (inch)	OD (mm)	ID (mm)	BENDING radius/mm
16	1/2"	15.5	12.5	40
20	3/4"	22.5	19.5	55
25	1"	28	25.0	60
32	1 1/4"	35.0	32.0	70
40	1 1/2"	42.0	38.0	80
50	2	54.0	50.0	90

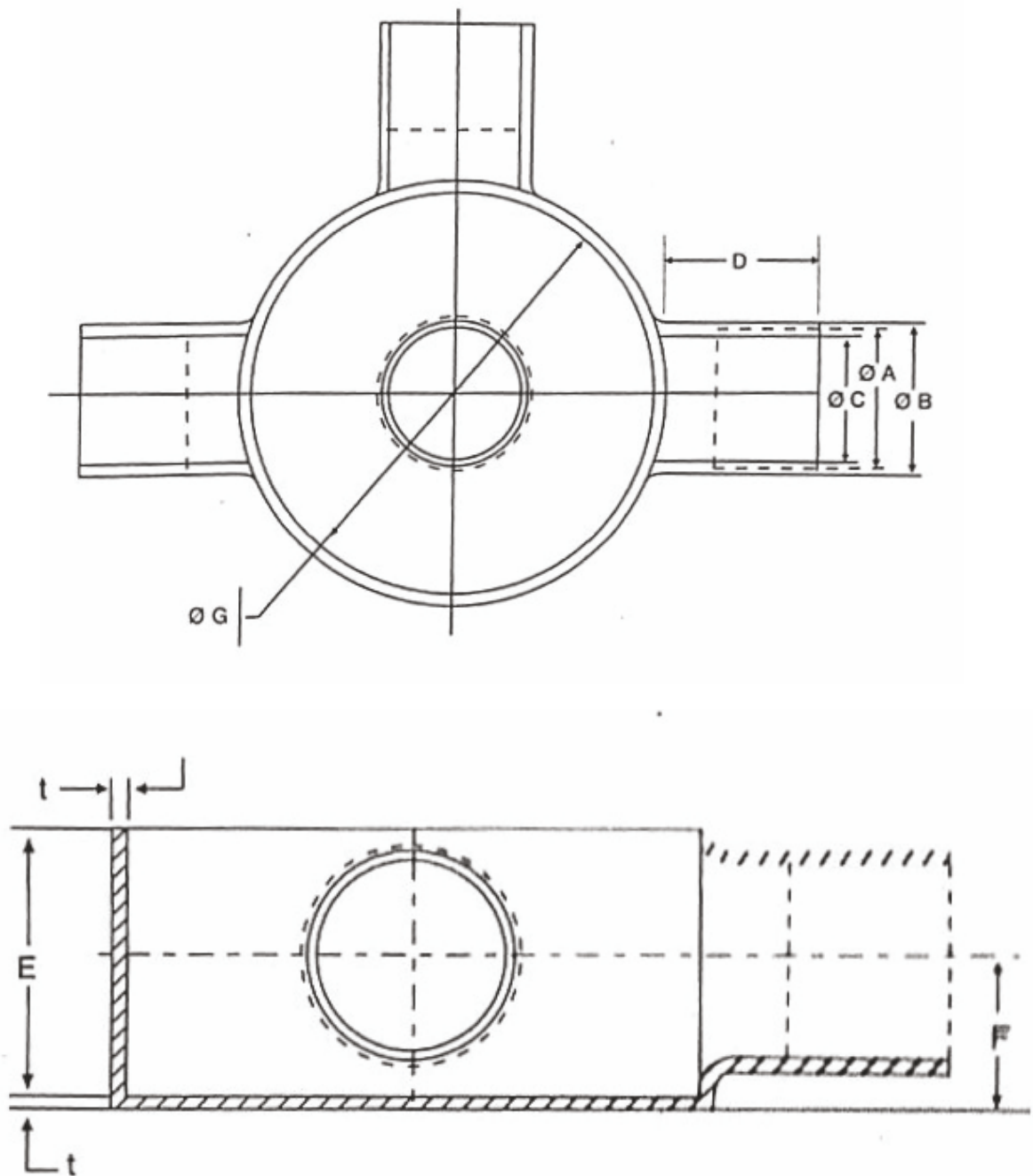
*Tolerance: Size below 50mm, +/- 1mm & above 50mm +/- 3mm

DIMENSIONS OF GALVANIZED STEEL FLEXIBLE CONDUIT PIPES WITH PVC COATING

Nominal Size (mm)	Nominal Size (inch)	OD (mm)	ID (mm)	BENDING radius/mm
16	1/2"	16.5	12.5	40
20	3/4"	23.5	19.5	55
25	1"	29	25.0	60
32	1 1/4"	36.5	32.0	70
40	1 1/2"	44.0	38.0	80
50	2	57.0	51.0	90

*Tolerance: Size below 50mm, +/- 1mm & above 50mm +/- 3mm

SPOUT TYPE - CIRCULAR JUNCTION BOXES
IS 3419:1988



NOMINAL OUTSIDE DIAMETER OF CONDUIT

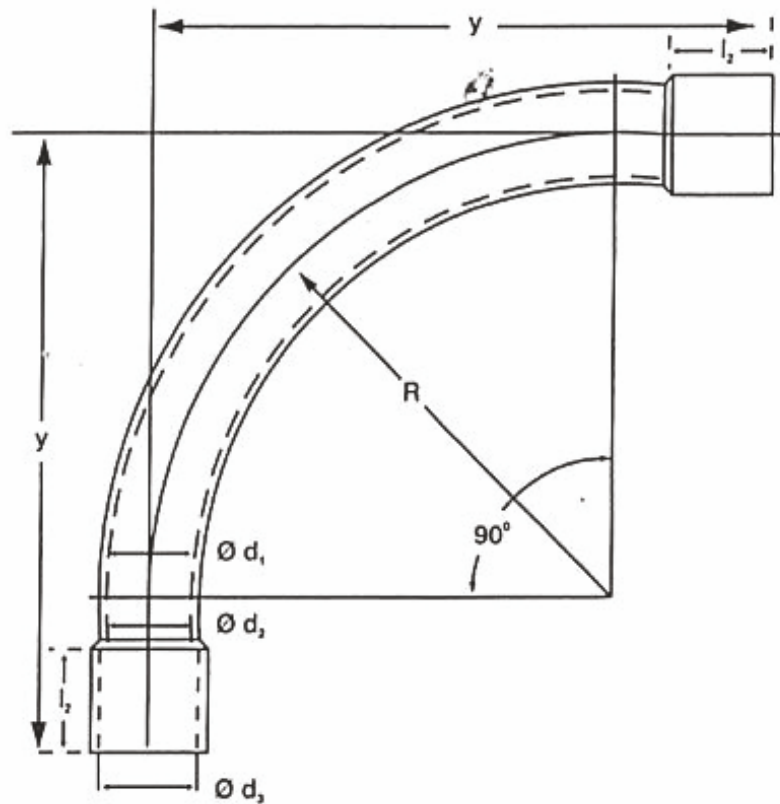
A	B MIN	C	D MIN	E MIN	MAX	F MIN	G	T MIN
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
20	23.0	$17.00 + 0.25$	20.0	25	14.5	13.5	$60 + 1.5$	1.6
25	29.5	$22.75 + 0.25$	23.0	28	17.5	16.5	$60 + 1.5$	1.6

DEEP CIRCULAR JUNCTION BOX NOMINAL OUTSIDE DIAMETER OF CONDUIT

A	B MIN	C	D MIN	E MIN	F MAX MIN	G	T MIN
(1)	(2)	(3)	(4)	(5)	(6) (7)	(8)	(9)
20	23.0	17.00 + 0.25	20.0	62.60 + 0.2	14.5 13.5	60 + 1.5	1.6
25	29.5	22.75 + 0.25	23.0	62.60 + 0.2	17.5 16.5	60 + 1.5	1.6
32	35.5	29.5 + 0.5	24.0	62.60 + 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

MINI/MAXI TRUNKING PROFILE

Precision Trunking Profile system is designed to give improved appearance and security to surface cables with its wide range of Trunking sizes and fittings offers an efficient and economical solution to cable management. Trunking Profile consists of base and clip on lid which is fitted to the base by pressing it along its front face. The lid can be easily removed by lifting it from the base at one end and peeling it away. The lid has an easy closing mechanism, which is designed to give a securely closed installation, yet is easily accessible for maintenance or modification.

Mounting

Drill oversize holes on base of Trunking Profile to mechanically fix to the desired surface using flat head screws with washers. Fixing center should not be more than 400 mm apart, or more than 150 mm away from the end of the straight run.

Joints

At each joint 3 mm should be left for expansion. A fine toothed tension saw and mitre block should be used to cut the Trunking to provide a neat installation. Internal bends must be mitred to ensure total enclosure of Trunking Profile. External bends should be cut square with the corner and at angles and tees, cut the side wall of Trunking Profile for the cable entry. None of the cutting is critical as the clip on fittings have a built-in overlap for the lid and sidewalls.

CONDUIT AND TRUNKING CABLE CAPACITIES

Single-core PVC - insulated cables in straight runs of conduit not exceeding 3 meters in length.

For each cable it is intended to use, obtain the appropriate factor from Table 1 A.

Add all the cable factors so obtained and compare with the conduit factors given in Table 1 B.

The conduit size which will satisfactorily accommodate the cables in that size having a factor equal to or exceeding the sum of the cable factors.

Single-core PVC - Insulated cables In straight runs of conduit exceeding 3 meters in length, or in runs of any length incorporating bends or sets.

For each cable it is intended to use, obtain the appropriate factor from Table 1 C.

Add all the cable factors so obtained and compare with the conduit factors given in Table 1 D, taking into account the length of the run it is intended to use and the number of bends and sets in that run.

The Conduit size which will satisfactorily accommodate the cables is that size having a factor equal to or exceeding the sum of the cable factors.

TABLE 1A
Cable factors for short straight runs

Type of Conductor	Conductor cross sectional area (mm)	Factor
Solid	1.0	22
	1.5	27
	2.5	39
Stranded	1.5	31
	2.5	43
	4.0	58
	6.0	88
	10.0	146

TABLE 1B
Conduit factors for short straight runs

Conduit Dia (mm)	Factor
20	460
25	800
32	1400

TABLE 1C
Cable factors for short straight runs
or runs incorporative bends

Type of Conductor	Conductor cross sectional area (mm)	Factor
Solid or Stranded	1.0	16
	1.5	22
	2.5	30
	4.0	43
	6.0	58
	10.0	105

TABLE 1D
Conduit factors for runs incorporating bends

Length of run (mtr)	20	25	32	20	25	32	20	25	32	20	25	32	20	25	32
	Straight			One bend			Two bends			Three bends			Four bends		
1.0	Covered by Tables 1A and 1B			303	543	947	286	514	900	256	463	818	213	388	692
1.5				294	528	923	270	487	857	233	422	750	182	333	600
2.0				286	514	900	126	463	818	213	388	692	159	292	529
2.5				278	500	878	244	442	783	196	358	643	141	260	474
3.0				270	487	857	233	422	750	182	333	600	-	-	-
3.5	290	521	911	263	475	837	222	404	720	163	311	563	-	-	-
4.0	286	514	900	256	463	818	213	388	692	159	292	529	-	-	-
4.5	282	507	889	250	452	800	204	373	667	149	260	474	-	-	-
5.0	278	500	878	244	442	783	196	358	643	141	260	474	-	-	-
6.0	270	487	857	233	422	750	182	333	600	-	-	-	-	-	-
7.0	263	475	837	222	404	720	169	311	563	-	-	-	-	-	-
8.0	256	463	818	213	388	692	159	292	529	-	-	-	-	-	-
9.0	250	452	800	204	373	667	149	275	500	-	-	-	-	-	-
10.0	244	442	783	196	358	643	141	260	474	-	-	-	-	-	-

The content of all the technical information are for guidance only, if you have any query as to the interpretation of the information contained therein, please refer to the standard itself or contact Precision Plastic Industries Pvt.Ltd. In accordance with our policy of continual improvement, Precision Plastic Industries Pvt.Ltd. reserve the right to change specifications & designs without notice.



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