

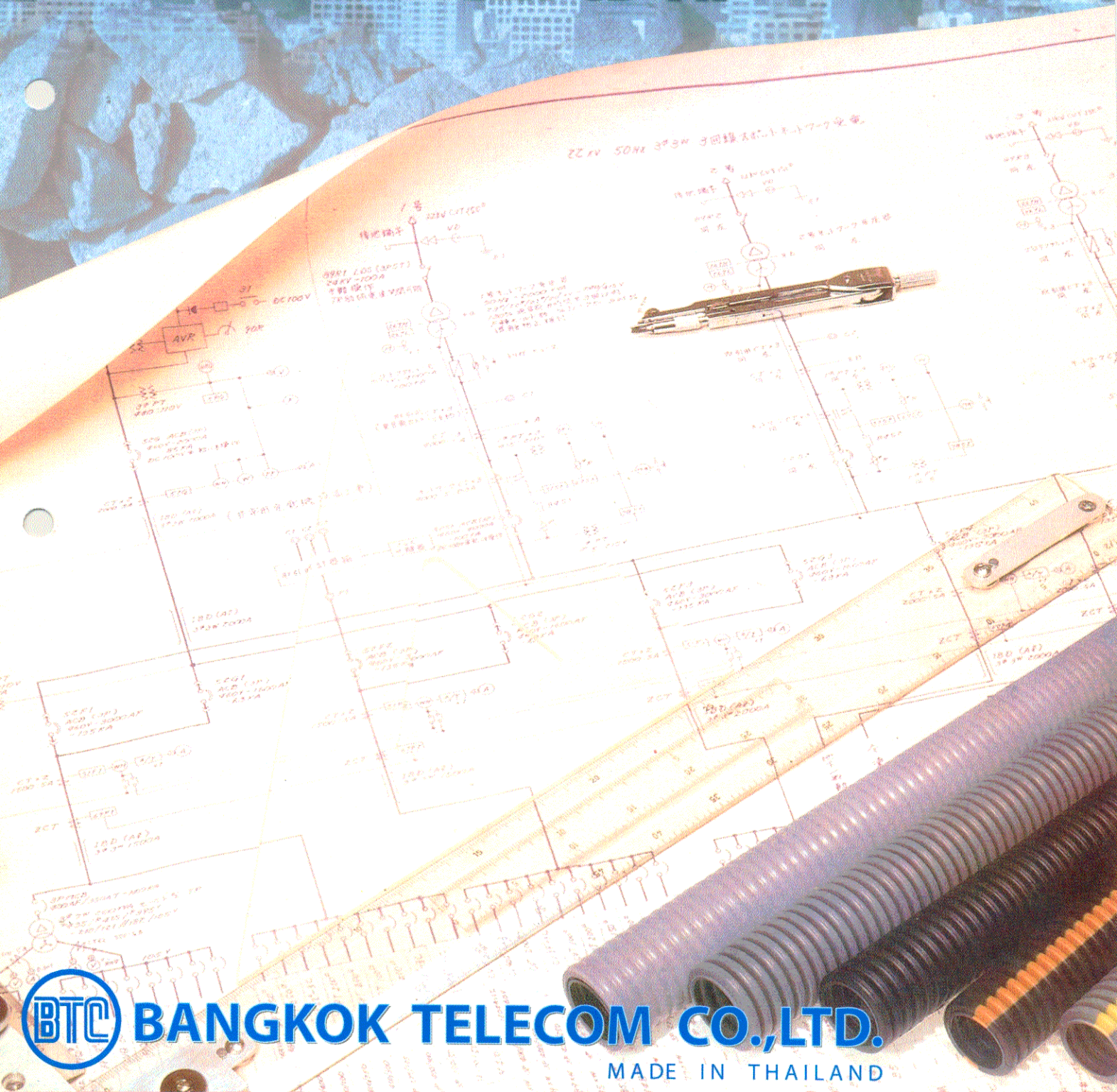


Flexible Plastic Conduits

PELEX-CD

PFLEX CD-L

PFLEX CD-FR



BANGKOK TELECOM CO.,LTD.

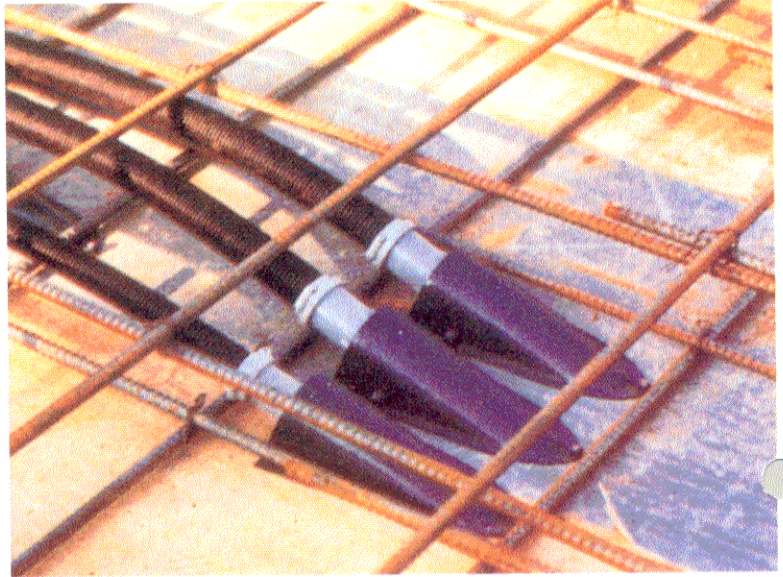
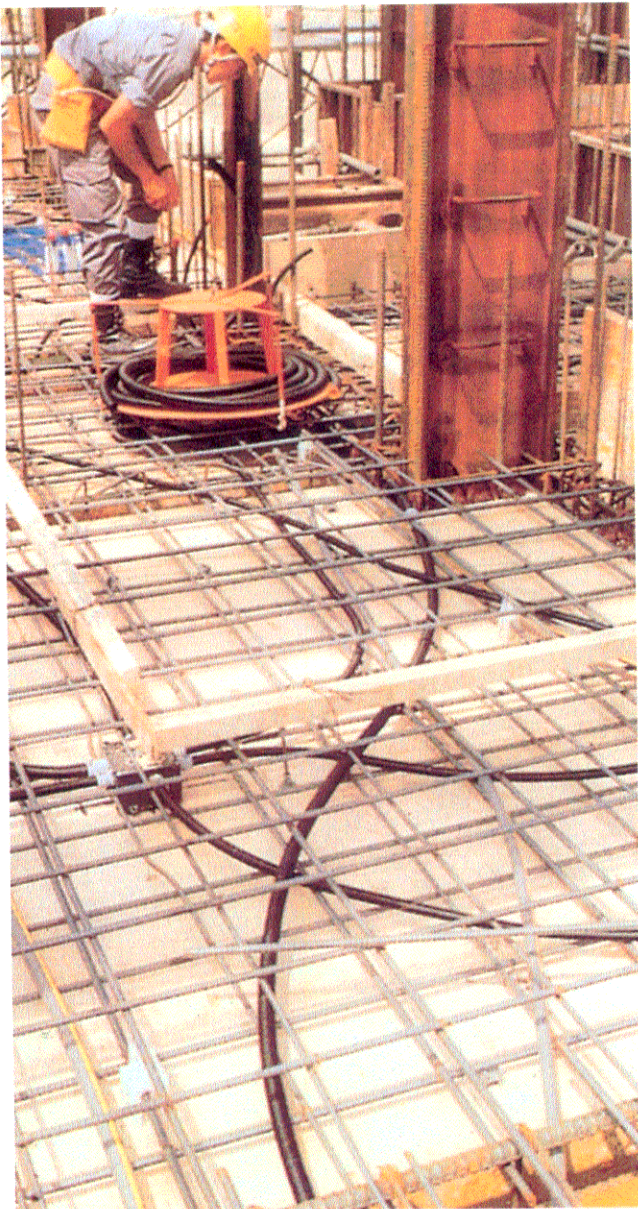
MADE IN THAILAND

PFLEX-CD / CD-L / CD-FR set you free from troublesome indoor wiring and save your time and cost.

Ever increasing electrical systems in buildings make indoor wiring extremely complicated and add to the cost of cable installation. This has been one of the pains of electrical contractors that has been awaiting an early solution. This financial restraint was eliminated by Furukawa Electric and Yazaki (Japan) with its successful development of laborsaving wiring. They are PFLEX-CD/CD-L/CD-FR, flexible

plastic conduits.

Light and easy to bend, PFLEX-CD/CD-L/CD-FR series pipes ensure speedy, smooth, and safe laying work. They permit easy wire pulling and dramatically increase the efficiency of cable installation. Let your indoor wiring be done by novel PFLEX-CD/CD-L/CD-FR series conduits which contribute much to labor and cost saving.



PFLEX

Flexible Plastic Conduits (PFLEX-CD/CD-L/CD-FR)

PFLEX-CD/CD-L/CD-FR, electric wire conduits conforming to Japanese Industrial Standard (JIS C 8411) and the Technical Standards of Japan's legal requirement for electrical appliances and materials, are equivalent in properties to the pliable self-recovering conduit (Medium) specified in the standards of International Electrotechnical Commission and has the following general features.

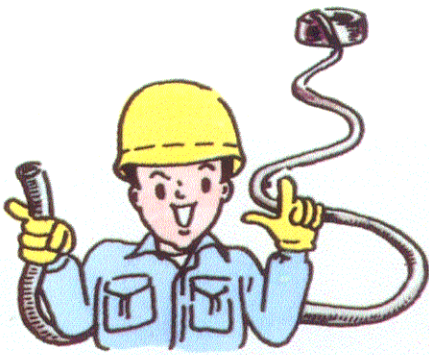
Easy to bend

Because of its unique construction, PFLEX is very flexible and can be bent by hand. This makes piping easy.



Continuous length

PFLEX is used in a continuous length and therefore requires less cutting and joining. This saves parts and the labor of installation and produces less loss (odd lengths).



Very easy electric wires pulling

The corrugated polyethylene pipe with a small coefficient of friction allows the pulling of electric wires even when bent at three right angles.



Lightweight

Light and packed in a tight coil, PFLEX can be carried easily to an elevated height. Free of injury even when dropped accidentally onto one's foot, because of its light weight.



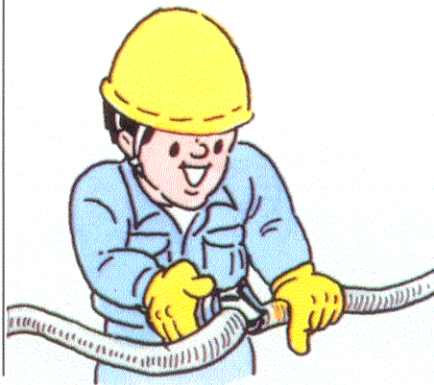
Durable

PFLEX made of plastics is highly resistant to corrosion and very durable, and substantially reduces the need of maintenance.



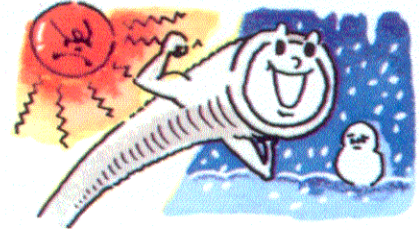
Easy to cut

Composed of polyethylene PFLEX can be cut easily with a knife. Unlike metal conduits, it requires no threading and therefore makes no noise. This permits night work.



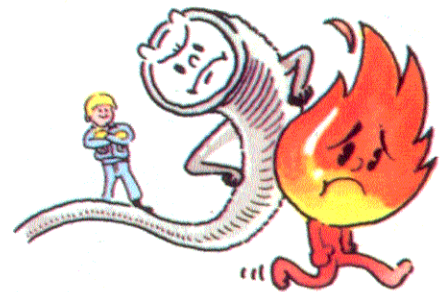
No treatment required against temperature elongation

PFLEX shows little elongation and contraction when temperature changes and therefore needs no treatment against temperature elongation.



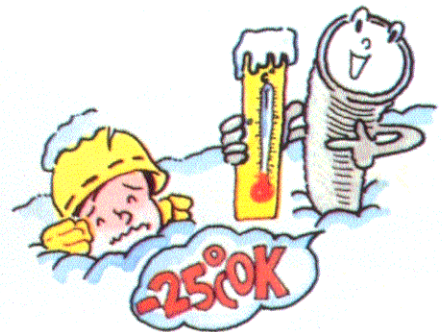
Exposed laying possible

PFLEX-CD-FR has a flame-retardant PVC layer on the surface and therefore can be laid exposed to the air.



Little dew condensation

PFLEX gathers less dew than metal conduits and therefore can be used safely in cold districts.



No bonding needed

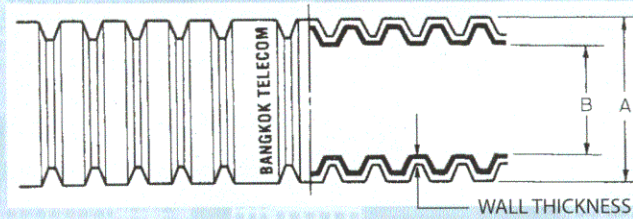
Not electrically conductive, PFLEX needs no bonding necessary for metal conduits.

Non-magnetic

Not magnetic PFLEX is free from electromagnetic unbalance.

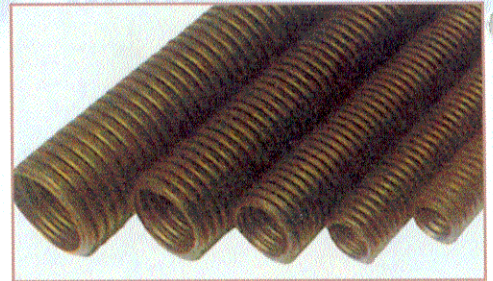
PFLEX-CD/ CD-L/ PFLEX CD-FR AND ACCESSORIES

Low - cost, strong, easy- to- bend, corrugated pipes.
Developed for in-concrete PFLEX-CD/CD-L and Expose areas
PFLEX CD-FR (PFLEX with a complete range accessories)



PFLEX-CD

PFLEX-CD is a flexible hard polyethylene pipe in conformity with Japanese Industrial Standard (JIS) C8411 and C8412. PFLEX CD pipe is single wall structure. It is a flexible CD pipe with corrugations designed for in-concrete installation.



PFLEX-CD-L

PFLEX CD-L is PFLEX-CD in which an color line has been inserted, enabling more clear and precise placement of troublesome electrical wiring in areas where CD pipes are used for electrical work. The color of the line also comes in yellow and blue, with other colors available upon request.

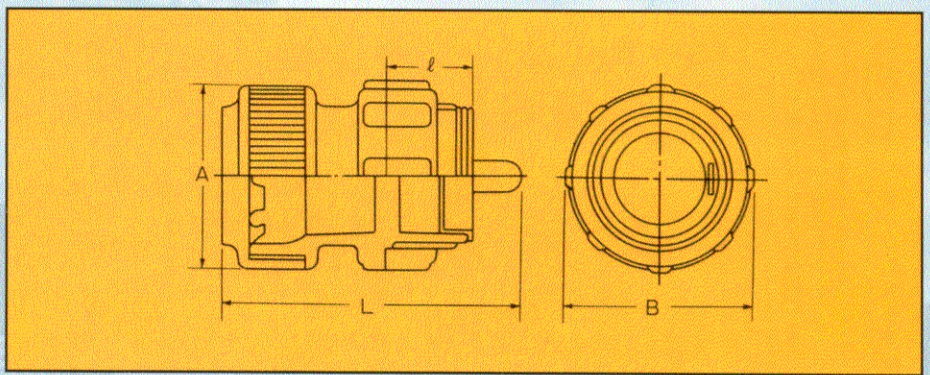
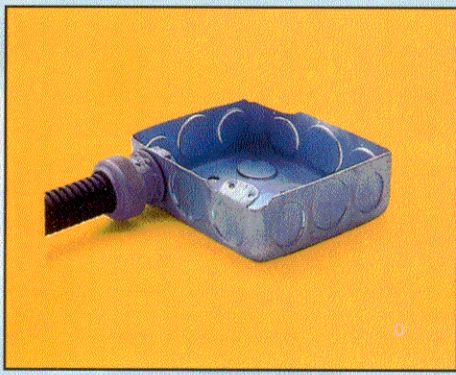
PFLEX-CD-FR



PFLEX CD-FR is also a flexible plastic pipe. It has a single wall construction. But it has flame-retardant property, and can be used for both exposed and in-concrete installation. It is also available in five sizes.

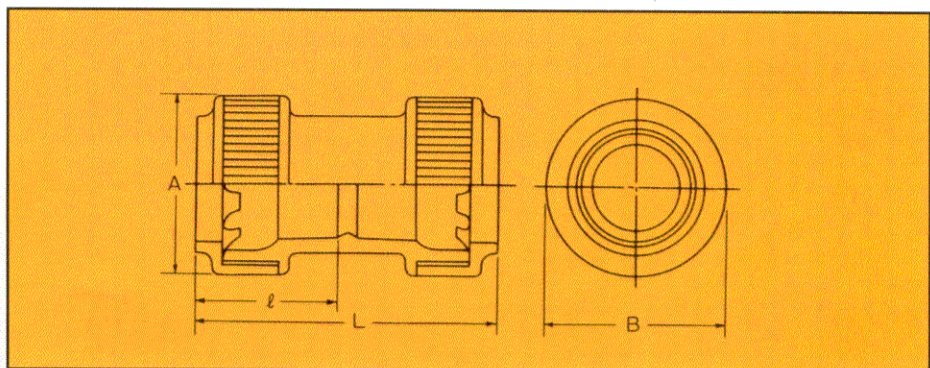
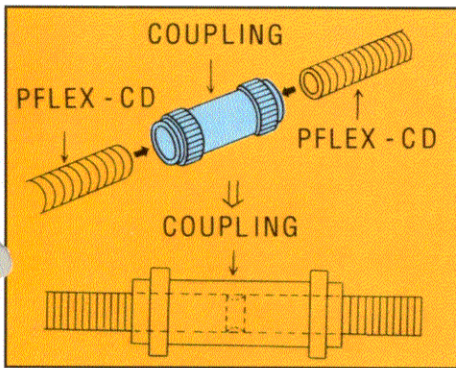




Table of Standard Dimensions

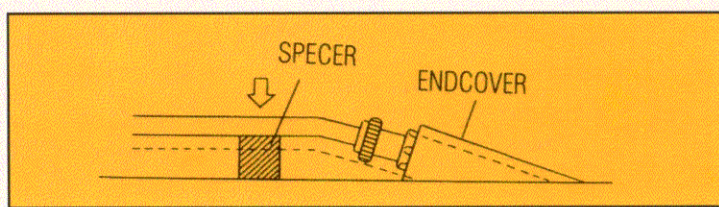
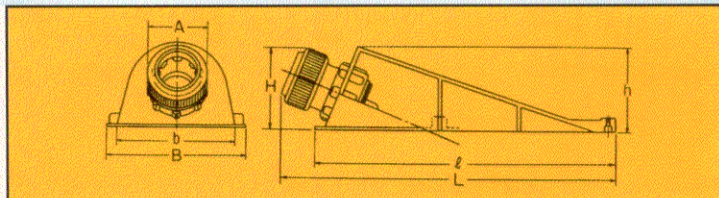
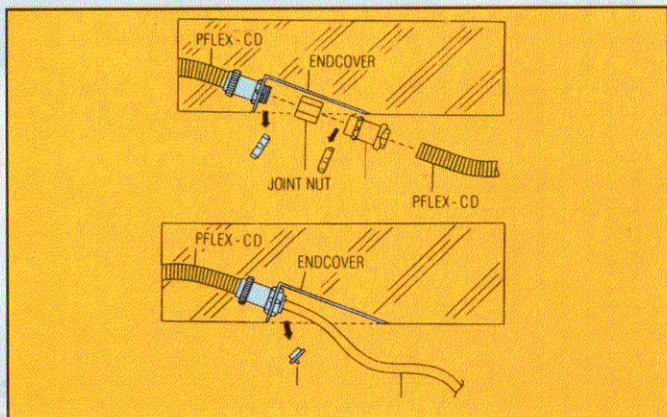
ITEM NO.	Nominal Dia. (mm)	Outside Dia. A(mm)	Inside Dia. B(mm)	Wall Thickness (mm)	Length Per coil (M)	Weight Per coil (Kg/coil)	Standard OD and height of coil(mm)
PFLEX-CD/CD-L/CD-FR 14	14	19.0	13.7	0.85	50	4.0	570 x 180
PFLEX-CD/CD-L/CD-FR 16	16	21.0	15.7	0.95	50	4.35	600 x 180
PFLEX-CD/CD-L/CD-FR 22	22	27.5	21.0	0.90	50	6.4	680 x 180
PFLEX-CD/CD-L/CD-FR 28	28	34.0	27.0	1.00	30	5.7	680 x 180
PFLEX-CD/CD-L/CD-FR 36	36	42.0	34.0	1.00	30	6.6	660 x 255



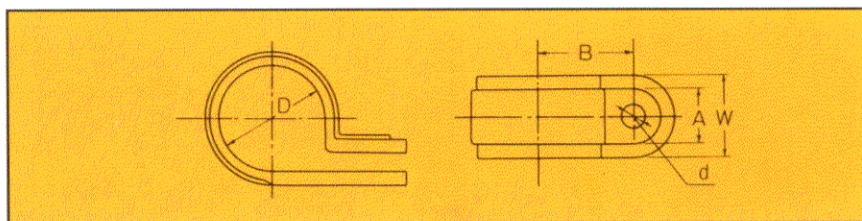
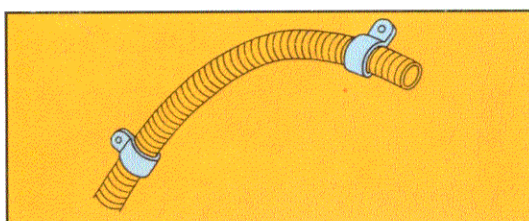
Connector	ITEM No.	APPLICABLE PIPE	DIMENSIONS (mm)			
			A	B	l	L
	DCN-14	PFLEX-CD/CD-L/CD-FR 14	31	30	11.5	39.5
	DCN-16	PFLEX-CD/CD-L/CD-FR 16	33	30	11.5	41.5
	DCN-22	PFLEX-CD/CD-L/CD-FR 22	41	35	14.5	52.0
	DCN-28	PFLEX-CD/CD-L/CD-FR 28	51	44	15.0	63.0
	DCNB-14	PFLEX-CD/CD-L/CD-FR 14	30	30	11.5	48.5
	DCNB-16	PFLEX-CD/CD-L/CD-FR 16	33	30	11.5	53.5
	DCNB-22	PFLEX-CD/CD-L/CD-FR 22	39	34	14.5	61.0
	DCNB-28	PFLEX-CD/CD-L/CD-FR 28	50	44	15.0	71.5
	DCNB-36	PFLEX-CD/CD-L/CD-FR 36	60	55	15.0	83.0



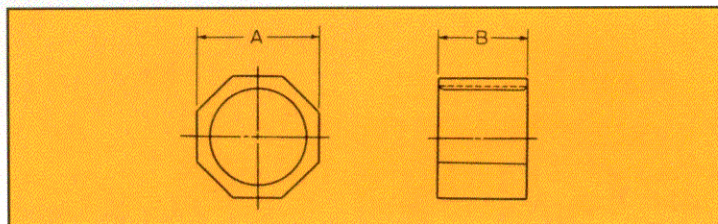
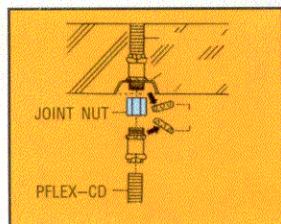
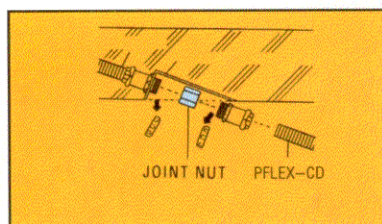
Coupling	ITEM No.	APPLICABLE PIPE	DIMENSIONS (mm)			
			A	B	l	L
	DCP-14	PFLEX-CD/CD-L/CD-FR 14	31	31	22.8	51
	DCP-16	PFLEX-CD/CD-L/CD-FR 16	33	33	25.2	55
	DCP-22	PFLEX-CD/CD-L/CD-FR 22	41	41	33.0	72
	DCP-28	PFLEX-CD/CD-L/CD-FR 28	51	51	40.8	88
	DCPB-14	PFLEX-CD/CD-L/CD-FR 14	30	30	25.0	70
	DCPB-16	PFLEX-CD/CD-L/CD-FR 16	33	33	28.7	80
	DCPB-22	PFLEX-CD/CD-L/CD-FR 22	39	39	35.0	90
	DCPB-28	PFLEX-CD/CD-L/CD-FR 28	50	50	41.3	102
	DCPB-36	PFLEX-CD/CD-L/CD-FR 36	60	60	53.0	126



End cover	ITEM No.	APPLICABLE PIPE	DIMENSIONS (mm)						
			A	B	b	L	l	H	h
	DEC-14	PFLEX-CD/CD-L/CD-FR 14	31	78	66	186	170	43	46
	DEC-16	PFLEX-CD/CD-L/CD-FR 16	33	78	66	188	170	44	46
	DEC-22	PFLEX-CD/CD-L/CD-FR 22	41	78	66	197	170	51	46
	DEC-28	PFLEX-CD/CD-L/CD-FR 28	51	90	78	243	208	64	57
	DECB-14	PELEX-CD/CD-L/CD-FR 14	30	78	66	194	170	45	46
	DECB-16	PFLEX-CD/CD-L/CD-FR 16	33	78	66	199	170	48	46
	DECB-22	PFLEX-CD/CD-L/CD-FR 22	39	78	66	205	170	53	46
	DECB-28	PFLEX-CD/CD-L/CD-FR 28	49	90	78	252	208	67	57
	DECB-36	PFLEX-CD/CD-L/CD-FR 36	60	90	78	264	208	81	57



Saddle	ITEM No.	APPLICABLE PIPE	DIMENSIONS (mm)				
			A	B	W	D	d
	FSD-14	PFLEX-CD/CD-FR 14	13	20.0	18	22.0	4.0
	FSD-16	PFLEX-CD/CD-FR 16	14	21.0	20	23.5	4.0
	FSD-22	PFLEX-CD/CD-FR 22	14	24.5	20	31.3	4.0
	FSD-28	PFLEX-CD/CD-FR 28	16	28.0	22	37.3	4.0

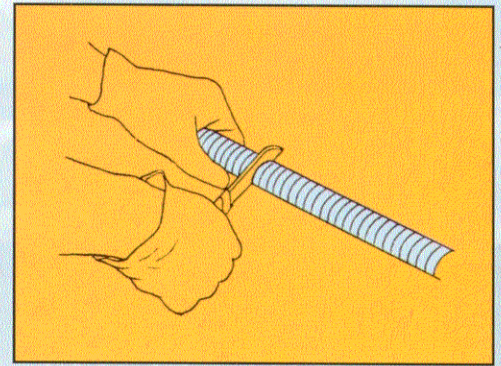


Joint nut	ITEM No.	APPLICABLE PIPE	DIMENSIONS (mm)	
			A	B
	DJN-16	PFLEX-CD/CD-L/CD-FR 14, 16	25	24
	DJN-22	PFLEX-CD/CD-L/CD-FR 22	31	29
	DJN-28	PFLEX-CD/CD-L/CD-FR 28	41	30
	DJN-36	PFLEX-CD/CD-L/CD-FR 36	50	138

Standard method for PFLEX-CD laying

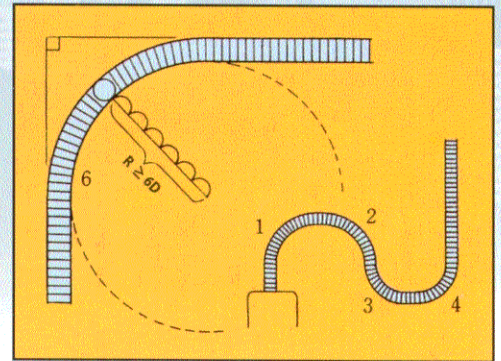
• Cutting PFLEX-CD

With a PVC cutter or an electrician's Knife, cut the pipe through at right angle to its axis.



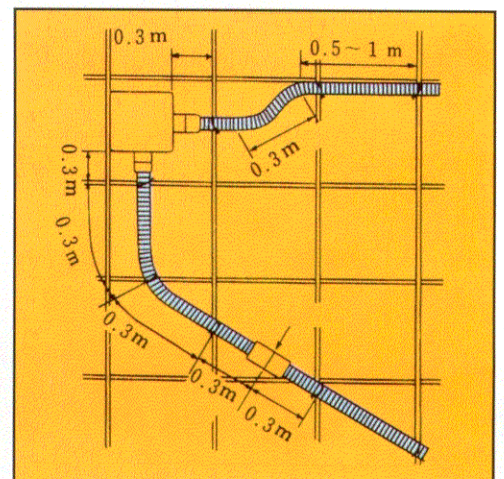
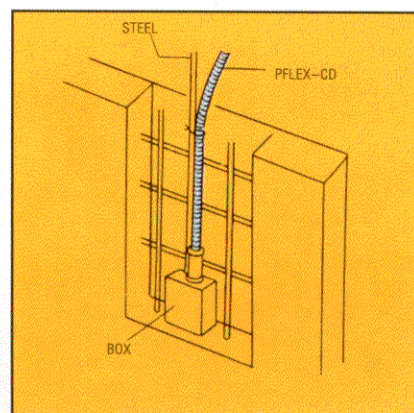
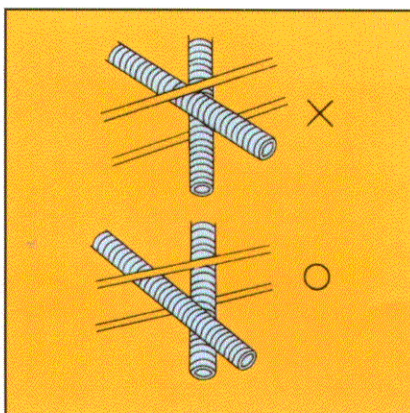
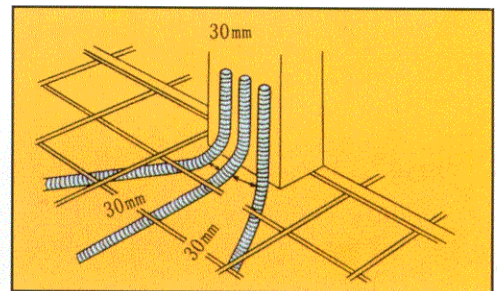
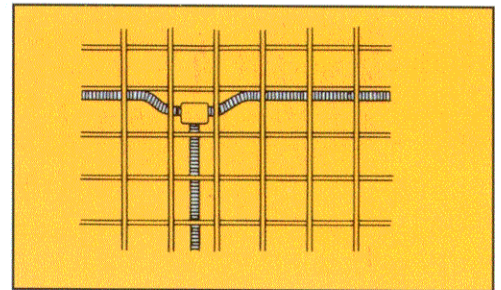
• Bending Radius

Take the bending radius more than 6 times of its inner diameter. PFLEX should be laid with not more than 4 right angle bends.



• Piping

- * Lay PFLEX pipe close to the reinforcement.
- * In case PFLEX pipe be laid longer than 30m use the box at a suitable position.
- * Avoid to lay PFLEX pipe in a parallel or concentrated condition near the distribution board or in the slab not to reduce the strength of the structure. Lay the pipe at more than 30m intervals so as the concrete be filled sufficiently around it.
- * Bind PFLEX pipe at 0.5m intervals to the reinforcement in the wall not to be affected by the concrete weight.
- * Bind PFLEX pipe at 0.5m intervals in the single-reinforced slab and 1m. intervals in the double-reinforced slab. Give a sufficient bind at 0.3m intervals to the pipe near the box and at the jointed and curved sections.
- * Do not lay PFLEX pipes crossing each other between upper and lower rods of double reinforcement to avoid the deformation.



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