

THE EFFICIENT PROTECTION

• Cable Protection System • Structural & Civil Design

HDPE PIPE SYSTEM

FOR ELECTRICAL CABLE INSTALLATION



BUATAN MALAYSIA

An introduction to

BBB™ HIGH DENSITY POLY ETHYLENE (HDPE)

Bina Plastic High Density Poly Ethylene (HDPE) is a versatile material. Once formed into a pipe, HDPE offers a smooth surface which provides excellent flow characteristics and has excellent resistance against natural chemical substances.

HDPE pipes is relatively lightweight allowing easier and less costly transportation and installation costs. Since it is not a brittle material, it can be installed easily with bend over uneven terrain in continuous lengths without additional welds or couplings because of its flexibility and availability in longer lengths. HDPE Solid Pipe often installed in "trenchless" construction by directional drilling.

Why use HDPE?

HDPE Corrugated Pipes are preferred in many applications because of its superior mechanical properties and cost-effective handling characteristics:



POLYETHYLENE

has been proven to be better than other materials and its usage worldwide has become the accepted norm in the cable protection system.

PIPE CONNECTIONS

The joints are injection moulding parts generally term as double end socket. They are coupled and can archive sand proof or water proof by using special profile seals

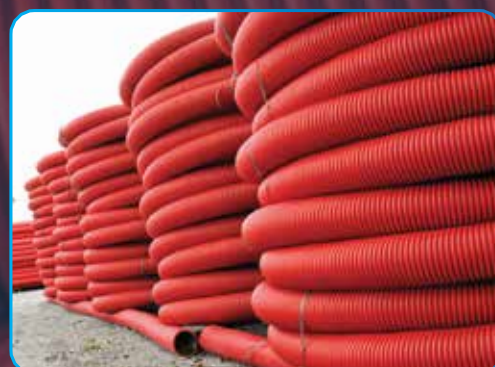
HDPE SOLID WALL CABLE PIPES - SIRIM 52

SIZE (mm)	OUTSIDE DIAMETER (mm)	WALL THICKNESS (mm)			STANDARD LENGTH (meter)
		SDR 17	SDR 13.6	SDR 11	
110	110.0 - 110.7	6.6	8.1	10.1	6/12/100
160	160.0 - 161.0	9.5	11.8	14.6	6/12
200	200.0 - 201.2	11.9	14.7	18.2	6/12
250	250.0 - 251.5	14.8	18.4	22.7	6/12
315	315.0 - 316.9	18.7	23.2	28.6	6/12



HDPE DOUBLE WALL CORRUGATED CABLE PIPES - TNB TECHNICAL SPEC

Corrugated Outside Smooth Inside	SIZE	OUTSIDE DIAMETER	INSIDE DIAMETER	STANDARD LENGTH
	100mm	120mm	100mm	6m/50m
	150mm	175mm	150mm	6m/30m
	200mm	231mm	200mm	6m





PIPE SPACER

SPACER (DN)		HDPE SOLID WALL		HDPE CORRUGATED		PVC -U	
SIZE	Inside Dimension (mm)	Pipe Size	Outside Dimension (mm)	Pipe Size	Outside Dimension (mm)	Pipe Size	Outside Dimension (mm)
65	65	63	63.4	50	50.0	50	60.3
123	124	110	110.7	100	120.0	100	114.3
						107	107.5
175	176	160	161.0	150	174.4	155	168.3
205	208	200	201.2	-	-	-	-
225	234	220	201.2	200	230.0	200	219.0

SUITABLE USE FOR PIPES

SPACER (DN)	HDPE SOLID WALL	HDPE CORRUGATED	PVC -U
65	✓	✓	✓
123	✓	✓	✓
175	✓	✓	✓
205	✓	✗	✗
225	✓	✓	✓



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