

PLB – Cable DUCT

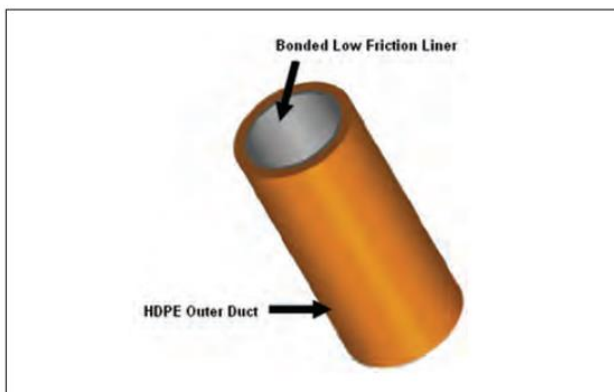
TELECOMS

HDPE Duct and Sub Duct Systems

These systems provide a flexible duct in continuous lengths up to 3000m to allow easy, safe and rapid placement of fibre optic cable in main trunks and customer drop applications alike.

- Duct is made from high quality HDPE and features a bonded low friction dry liner, to enable easy cable placement.
- HDPE ducts are supplied in coils or on returnable drums (wood or metal).
- Finished product is supplied capped ensuring the ends are watertight to prevent ingress of contamination or foreign bodies likely to cause problems when cabling.
- Ducts are available with a standard 8kN pull-rope pre-installed.
- Duct is marked as standard at one metre intervals as follows:
 - Incremental Metre-Mark
 - Manufacturers product code
 - Production Date
 - Size of duct
 - Customer name and / or other special designations
- Colours variations / colours and stripes are also available on request
- For multiple sub duct requirements one to five way drums are available

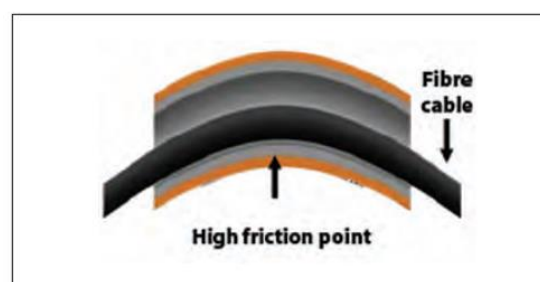
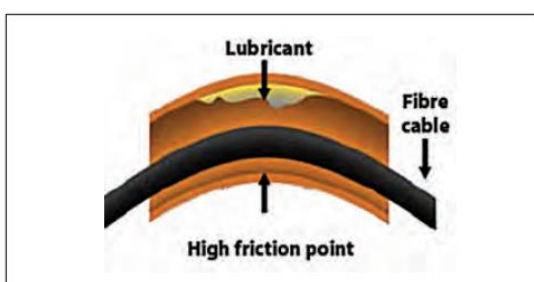
A full range of connectors, termination and cable placement ancillary products are available.



Features:

- Rapid Deployment technique
- Reduces overall network construction and activation costs
- Bespoke requirements can be accommodated
- Cable blowable
- Cable installation utilising the pre-installed pulling rope
- Provides a dedicated cable path
- Reduces the risk of damage to fibre optic cables

How the Entelle Bonded Low Friction Liner Works.



TECHNICAL DATA Premium Grade (nominal unless otherwise stated)

SIZE		SDR	Mean outside Diam NOM	I.D. nom	Wall Thick-ness Nom	Mass nom g/m	Max Pull	
OD	ID						kg	kN
25	20	10.0	25	20	2.5	168	170	1.7
25	21	12.5	25	21	2.0	139	140	1.4
32	26	10.7	32	26	3.0	260	260	2.6
32	27	12.8	32	27	2.5	220	220	2.2
32	28	16.0	32	28	2.0	179	180	1.8
40	32	10.0	40	32	4.0	425	430	4.3
40	33	11.4	40	33	3.5	381	370	3.7
50	41	10.9	50	40.8	4.6	612	610	6.1
50	42	13.5	50	42.6	3.7	544	540	5.4

Deploying Emtelle's CID offers several key advantages including, but not limited to, shorter installation time, reduced logistics and improved quality due to the elimination of cable pulling. Due to the use of high quality Emtelle sub duct the CID solution is ideally suited to installation via mole plough.

The size and type of cables used vary depending on customer requirements, the table below lists some of the typical configurations used.



	FIBRE CABLE		DUCT OD & ID				
	count	Typ diamt	31/25	32/26	40/33	50/42	63/50
Traditional fibre cable	12f	10.1	✓	✓	✓	✓	✓
	24f	10.9	✓	✓	✓	✓	✓
	48f	13.1	✓	✓	✓	✓	✓
	72f	13.1	✓	✓	✓	✓	✓
	96f	12.5	✓	✓	✓	✓	✓
	144f	14.5	✓	✓	✓	✓	✓
	192f	15.3	✓	✓	✓	✓	✓
	288f	18.5	x	✓	✓	✓	✓
	576f	22.8	x	x	✓	✓	✓

PLB Coupler (Push-Fit)



Compression Connector



Duct Compression Plug



Simplex Plug