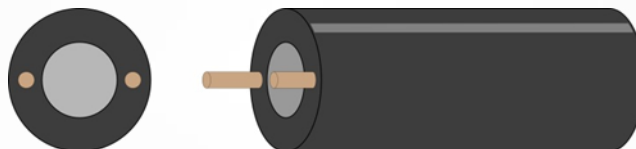


Cable Proposal CP1370



**1-way 7mm drop tube,
Metal- Free**



Description

This is a single 7mm outdoor microduct (m/d) in black Hi-UV resistant polyethylene designed for the blowing of fibre products (eg FU) to premises. The inner surface of the m/d has a low friction lining to aid fibre product blowing. The m/d wall incorporates two GRP strength members, permitting the m/d to be deployed without further strengthening, up to the tension limits defined below. The material used in this product should give an expected lifetime of up to 20 Years under UK conditions, this will greatly reduce under other conditions, for example up to 10 Years may be expected in South Africa.

Outer diameter:	7.0mm nominal
Inner diameter:	3.7mm nominal; measured by plug gauge
Strength members:	Two 0.8mm dia. GRP Rods.
Assembly mass:	31g/m nom
Min Bend radius:	120mm
Deployment:	Aerial, Direct Buried, Direct Install.
Aerial drop length:	Preferably up to 40m for all weather conditions, up to 70m without the presence of ice formation.
Stringing tension:	To local regulations. Recommend not exceed 0.2kN (20kg)
Rated Cable load:	1.2kN (120kg) max, including all weather provisions.
Break Load:	Approx 1.6kN (160kg)
Crush:	2.0kN to IEC60794-5-20

Modelled Weather Data

Span (m)	Stringing Tension (kg)	Stringing Temperature (°C)	Ice (mm)	Wind (mph)	Temperature (°C)	Tension (kg)	Sag (m)	Sag (%)	Elongation (mm)	Elongation (%)	Path Length (m)
40	20	15	0	0	15	20	0.304	0.8	74	0.18	40.006
			0	30	15	30	0.789	2.0	109	0.27	40.041
			0	60	15	62	1.513	3.8	220	0.55	40.153
			0	70	15	74	1.717	4.3	264	0.66	40.196
			5	0	-15	42	1.061	2.7	150	0.37	40.075
			5	30	-15	54	1.331	3.3	193	0.48	40.118
			5	60	-15	108	2.152	5.4	383	0.96	40.309
			10	0	-15	70	1.628	4.1	251	0.63	40.177
			10	30	-15	81	1.796	4.5	290	0.73	40.215
			15	0	-15	104	2.101	5.3	361	0.92	40.294

Span (m)	Stringing Tension (kg)	Stringing Temperature (°C)	Ice (mm)	Wind (mph)	Temperature (°C)	Tension (kg)	Sag (m)	Sag (%)	Elongation (mm)	Elongation (%)	Path Length (m)
70	31	15	0	0	15	31	0.621	0.9	193	0.28	70.015
			0	30	15	45	1.639	2.3	280	0.40	70.102
			0	60	15	90	3.174	4.5	562	0.81	70.384
			0	70	15	109	3.600	5.2	674	0.96	70.495

Measures should be taken during installation to ensure that any elongation of the microduct and corresponding fibre movement are taken care of. Fibre should be free to move

Note 1: Diameters and thicknesses are measured to nearest 0.1mm.

Note 2: 'nominal' data is based on middle-spec, and is for information only, not for inspection purposes.

This document is intended as a guide only. Whilst the information it contains is believed to be correct, Emteille can take no responsibility for actions taken based on the information contained in this document. Emteille reserves the right to make changes to this document without notice. All sales of product are subject to Emteille's terms and conditions of sale only, which can be found on Emteille's website.

This document is protected by copyright (c) Emteille UK Limited [2019]. The products depicted are protected by intellectual property rights. Any unauthorized copying of this document or of our products is prohibited and Emteille UK Limited will take action to prevent any infringement of its rights and to claim damages for the loss that it suffers.

www.emteille.com