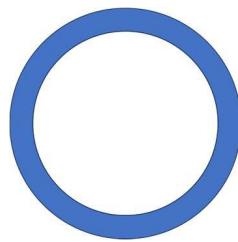


BluLight™ Primary Tube

(Thin Walled Tube)
12/9.6mm_Blue



1. General Description

BluLight™ Primary Tube is coated with silicone and suitable for fiber blowing with low friction.

2. Primary Tubes Technical Details

2-1 Dimension

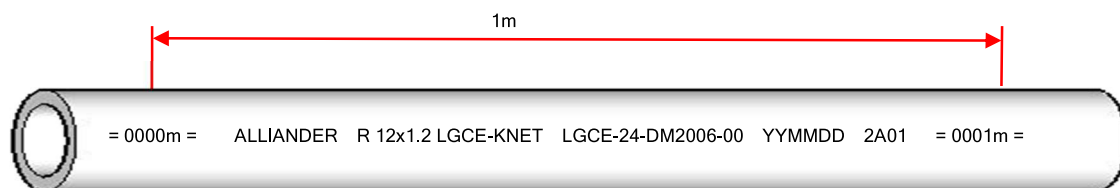
Outer diameter(mm)		Inner diameter(mm)		Wall thickness(mm)		Pressure(bar)		Rib Depth(mm)	
Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Max	Operation	Nominal	Tolerance
12	±0.1	9.6	±0.1	1.2	+0.05, -0.1	16	10	0.1	±0.05

2-2 Marking

The microduct marking shall include the following information: (Frequency - repeated every 1meter)

- Project Name (e.g. ALLIANDER)
- Tube type (e.g. R)
- Tube Size (e.g. 12x1.2)
- Manufacturer (e.g. LGCE-KNET)
- Product spec.(e.g LGCE-24-DM2006-00)
- Manufactured code(e.g YYMMDD 2A01)
- Length marking(e.g. = 0001m =)

※ Example



3. Configuration & Color

- Microduct(primary tube) : Polyethylene tube, Blue
Silicone coating and smooth or straight ribbed inner surface
- Other colors are available upon the customer request.

4. Mechanical Performance test

Mechanical properties	International standard	Test conditions	Performance
Inner clearance	IEC 60794-5-10 Annex E	Pressure : 12bar Max. Sphere size : 85% of nom. ID	Pass : Pass through the primary tube.
Tensile Strength	IEC 60794-5-10&20	Tube length under tension: >1m Max. Tensile load: 1.1 x 9.8 x W*[N] Duration of max. load: 10 min *W = mass of 1km of component in kg	Pass: Under visual examination without magnification, There shall be no damage and then the inner clearance test shall be passed..
Crush	IEC 60794-5-10&20	Sample length : 250mm Load: 700N Duration of Max. load: 1 minute Recovery time: 1 hr	Pass: The outer and inner diameter of the duct shall show, under visual examination without magnification no damage and then the inner clearance test shall be passed.

Impact	IEC 60794-5-10&20	Striking surface radius: 300mm Impact: 1 J Number of impact: 3 Recovery time: 1 hr	Pass: Under visual examination without magnification, there shall be no damage to the duct, no splitting or permanent damage and then the inner clearance test shall be passed. The imprint of the anvil on the sheath is not considered as mechanical damage.
Kink	IEC 60794-5-10&20	Diameter: $\leq 20 \times OD$	Pass: The outer and inner diameter of the duct shall show, under visual examination without magnification no damage and then the inner clearance test shall be passed.
Bend	IEC 60794-5-10&20	Number of turns: 5 Mandrel diameter: $\leq 24 \times OD$ Number of cycles: 3	Pass: The outer and inner diameter of the duct shall show, under visual examination without magnification no damage and then the inner clearance test shall be passed.

5. Packing

Primary tubes are delivered on drum.

Product Code	Length/drum(m)	Drum size(H x W)	Gross weight(kg)	Number of Drums in 40' (EA)
PT12/9.6	2,000	1,150 x 430	102	100

6. Internationally Certified

Microduct Assemblies have been rigorously tested by Telcordia Technologies and found to be compliant with Telcordia GR-3155-CORE.



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