Data Sheet

Excel Loose Tube

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**Centre for Smart Infrastructure & Construction**

University of Cambridge  
Department of Engineering  
Trumpington Street  
Cambridge CB2 1PZ  
United Kingdom

www-smartinfrastructure.eng.cam.ac.uk

## Excel Loose Tube

## C:\Users\Cinderella\Desktop\For Cedric\1.pngDescription

|  |  |
| --- | --- |
| 1 | LSZH (FRNC) Flame Retardant outer jacket |
| 2 | Aramid Yarns |
| 3 | Gel filled tube |
| 4 | Single mode optical fibres with 250 µm primary coating |

## Physical characteristics

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cable construction | Number of fibres | Cable colour | Cable diameter  (mm) | Weight (kg/km) | Tensile strength (N)  IEC 60794-1-E1 | | Min. bending radius (mm) | | Crush resistance (N) |
| Short term | Long term | Unloaded | Loaded |
| Loose tube | 4 | Black | 6.0/6.5 | 40/45 | 500 | 750 | 60 | 100 | 1500 |

## Fibre characteristics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fibre type | Mode Field Diameter (µm) @ 1550nm | Refractive Index n @ 1550nm | Max. atenuation (dB/km)  @ 1550nm | Numerical aperture (-) |
| SMF - ITU-T G.652.D | 10.1 ± 0.5 µm | 1.468 | ≤ 0.25 |  |

## Brillouin parameters

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cε (Mhz/%) | CT (MHz/°C) | Central Brillouin frequency (GHz)  @ 1550nm @ 20 ºC |
| CSIC | NA |  |  |

Preferred supplier: Cable & Stuff Price: < £0.50 + VAT per meter