Data Sheet

Fujikura Reinforced Cable SM x 4C

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| Type of Document | Date | Document ID | Version | Status |
| Data Sheet | 15/10/2014 | DS – Cable01 | v1 | Under review |

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## Fujikura Reinforced Cable SM x 4C

## Description

|  |  |
| --- | --- |
| 1 | Optical Fibre |
| 2 | Primary Coating |
| 3 | Ribbon Matrix |
| 4 | Steel strength members |
| 5 | 4-fiber ribbon |
| 6 | Nylon sheath (Black) |

## Physical characteristics

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Cable construction | Number of fibres | Cable colour | Cable diameter  (mm) | Weight (kg/km) | Tensile strength (N) | Permissible bending radius (mm) | Crush resistance (N) |
| Tight buffer | 4 | Black | 1.3 x 5.0 | 8 | 70 | 30 |  |

## Fibre characteristics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fibre type | Mode Field Diameter (µm) @ 1310 nm | Refractive Index n @ 1550nm | Max. attenuation (dB/km)  @ 1310 nm | Numerical aperture (-) |
| SMF | 9.5 ± 1 µm |  | ≤ 0.5 |  |

## Brillouin parameters

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

Preferred supplier: Direct from manufacturer Fujikura Price: ~ £15.0 + VAT per meter