

24 F SM G652D ADSS OPTICAL FIBRE CABLE

1. FIBRE PROPERTIES

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| A. FIBRE TYPE | : | Single Mode G652 D |
| B. ATTENUATION @ 1310 nm | : | ≤ 0.35 dB/Km |
| @ 1550 nm | : | ≤ 0.22 dB/Km |
| C. CABLE CUT-OFF WAVELENGTH | : | ≤ 1260 nm |
| D. MODE FIELD DIAMETER @ 1310 nm | : | 9.2 ± 0.5um |
| E. CLAD DIAMETER | : | 125 ± 0.7 um |
| F. CORE CLAD CONCENTRICITY ERROR | : | ≤ 0.60 um |
| G. CLAD NON-CIRCULARITY | : | ≤ 1% |
| H. COATING DIAMETER | : | 245 ± 10 um |
| I. CHROMATIC DISPERSION | : | |
| Between 1270-1340 nm | : | ≤ 5.3 ps/nm.km |
| 1285-1330 nm | : | ≤ 3.5 ps/nm.km |
| @ 1550 nm | : | ≤ 18.0 ps/nm.km |
| J. ZERO DISPERSION WAVELENGTH | : | 1300-1324 nm |
| K. ZERO DISPERSION SLOPE | : | ≤ 0.092 ps/nm ² .Km |
| L. POLARISATION MODE DISPERSION | : | ≤ 0.2 ps/root km |

2. MECHANICAL & ENVIRONMENTAL PROPERTIES

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| A. MAX. OPERATING TENSION | : | 1500 Newton |
| MAX INSTALLATION TENSION | : | 2700 Newton |
| B. CRUSH RESISTANCE | : | 2000 Newton/100 mm |
| C. MINIMUM BENDING RADIUS | : | 180 mm |
| D. MAX. OPERATING/ INSTALLATION TEMPERATURE | : | - 30 °C to + 70 °C |
| E. MAXIMUM SPAN LENGTH | : | 100 Meter |

3. PHYSICAL & DIMENSIONS PROPERTIES

| NO. OF FIBRES | 6 F | 12 F | 24 F |
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| FIBRE COLOUR IN LOOSE TUBE | BLUE, ORANGE, GREEN, BROWN, GREY & WHITE | | |
| LOOSE TUBE COLUR & SEQUENCE | BLUE, DUMMY-1, DUMMY-2 ,DUMMY-3, DUMMY-4 & DUMMY-5 | BLUE, ORANGE, DUMMY-1, DUMMY-2, DUMMY-3 & DUMMY-4 | BLUE, ORANGE, GREEN, BROWN,DUMMY-1 & DUMMY-2 |
| CENTRAL MEMBER | FRP ROD | | |
| DIAMETER OF LOOSE TUBE | 1.8 mm Nominal | | |
| OUTER SHEATH THICKNESS | 1.5 mm Nominal | | |
| CORE WRAPPING | WATER SWELLABLE TAPE | | |
| ADDITIONAL STRENGTH | ARAMID YARN | | |
| CABLE DIAMETER | 9.0 ± 0.5 mm | | |
| WEIGHT OF CABLE | 65 ± 8 Kg/Km | | |
| PRINTING ON CABLE | AS PER CUSTOMER REQUIREMENT | | |
| STANDARD LENGTH | 2/3/4 Km + 10% and 10% Non standard length more than 500 meters | | |

CONSTRUCTION OF CABLE

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|-------------------------|
| OUTER SHEATH (H.D.P.E.) |
| W.S. TAPE |
| W.S. YARN |
| F.R.P. ROD |
| LOOSE TUBE WITH FIBRES |
| ARAMID YARN |
| RIP CORD |

