24 F SM G652D UNARMOURED OPTICAL FIBRE CABLE

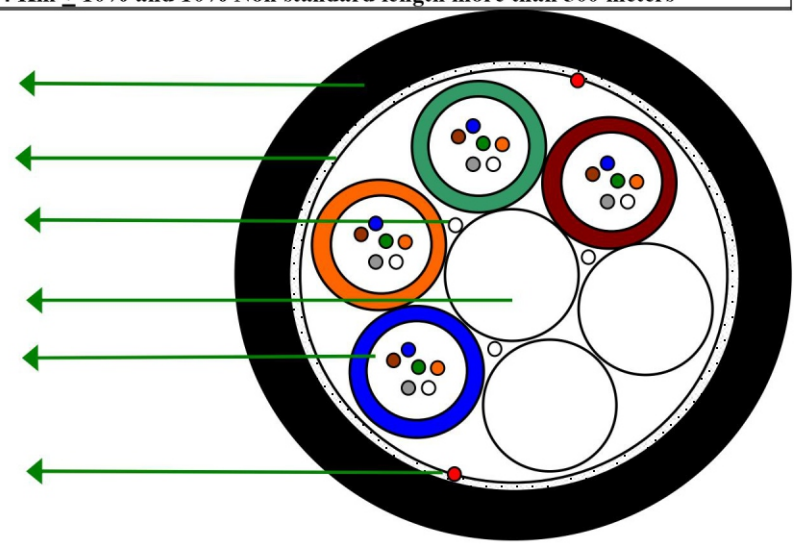
1. FIBRE PROPERTIES

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/nm² .Km
L. POLARISARION MODE DISPERSION	:	≤ 0.2 ps/root km

2. MECHANICAL & ENVIRONMENTAL PROPERTIES

A. MAX. OPERATING TENSION	:	1000 Newton
MAX INSTALLATION TENSION	:	2000 Newton
B. CRUSH RESISTANCE	:	2000 Newton/100 mm
C. MINIMUM BENDING RADIUS	:	180 mm
D. MAX. OPERATING/ INSTALLATION TEMPERATURE	:	- 30 °C to + 70 °C

3. PHYSICAL & DIMENSIONS PROPERTIES

NO. OF FIBRES	6 F	12 F	24 F
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		
CABLE DIAMETER	9.0 ± 0.5 mm		
WEIGHT OF CABLE	63 ± 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