

Single Mode External Loose Tube

96 Fibres

Fibre Properties

Characteristics	Unit	Value
ATTENUATION @ 1310 nm	dB/km	≤ 0.38 Max & ≤ 0.35 Average
@ 1550 nm		≤ 0.25 Max & ≤ 0.22 Average
CHROMATIC DISPERSION 1285-1330 nm	ps/nm.km	≤ 3.5
At 1550 nm		≤ 18.0
ZERO DISPERSION WAVELENGTH	nm	1300 to 1324
ZERO DISPERSION SLOPE	ps/nm ² .km	≤ 0.092
CUT OFF WAVELENGTH	nm	≤ 1320
POLARISATION MODE DISPERSION	ps/root km	≤ 0.2
MODE FIELD DIAMETER at 1310 nm	um	9.3 ± 0.5
CORE- CLAD CONCENTRICITY ERROR	um	≤ 0.8
CLADDING NON CIRCULARITY	%	≤ 1.0
CLADDING DIAMETER	um	125 ± 1.0
COATING DIAMETER	um	245 ± 10

Cable Cross Section

CROSS SECTIONAL VIEW :

OUTER SHEATH (HDPE)

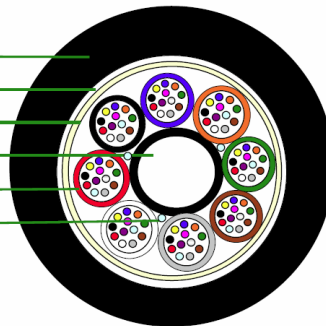
WS TAPE

GLASS ROVING

F.R.P.

LOOSE TUBE WITH FIBRES

WS YARN



Mechanical & Environmental Properties

MAX. TENSILE STRENGTH	:	2000 Newton
CRUSH RESISTANCE	:	2000 Newton/100 mm
MINIMUM BENDING RADIUS -- TEMPORARY	:	120 mm
PERMANENT	:	240 mm
MAX. OPERATING/INSTALLATION TEMPERATURE	:	-30 °C to +70 °C

Physical & Dimensions Properties

NO. OF FIBRES	96F
TYPE OF FIBRE	SM G652D
STRENGTH MEMBER	FRP & GLASS YARN REINFORCEMENT
COLOUR OF FIBRE	BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED, BLACK YELLOW, VIOLET, PINK & AQUA
SEQUENCE OF TUBE	BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED & BLACK
OUTER SHEATH MATERIAL	HDPE
OUTER SHEATH THICKNESS	≥1.5 mm
OUTER CABLE DIAMETER	11.8 ± 0.6 mm
CABLE WEIGHT	117 ± 11 Kg/Km
PRINTING ON CABLE	AS PER CUSTOMER REQUIREMENT
STANDARD LENGTH	2,3,4 ± 10% KMS