

Single Mode External Loose Tube

288 Fibres

Fibre Properties

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) ←

LOOSE TUBE WITH FIBRE ←

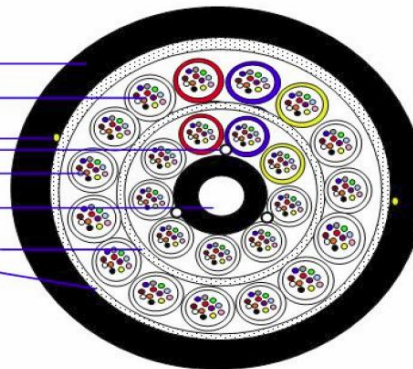
RIP CORD ←

WATER SWELLABLE YARN ←

LOOSE TUBE WITH FIBRES ←

PE COATED STRENGTH MEMBER ←

WATER SWELLABLE TAPE ←



Mechanical & Environmental Properties

MAX. OPERATING TENSION	:	2000 Newton
MAX INSTALLATION TENSION	:	4000 Newton
CRUSH RESISTANCE	:	2000 Newton/100 mm
MINIMUM BENDING RADIUS--- TEMPORARY	:	220 mm
PERMEMANT	:	440 mm
MAX. OPERATING/INSTALLATION TEMPERATURE	:	- 30 °C to + 70 °C

Physical & Dimensions Properties

NO. OF FIBRES	288 F
FIBRE COLOUR IN LOOSE TUBE	BLUE, ORANGE, GREEN, BROWN, GREY, WHITE, RED, BLACK, YELLOW, VIOLET, PINK & TURQUOISE
LOOSE TUBE COLOUR & SEQUENCE IN FIRST LAYER	RED, BLUE, YELLOW, WHITE-1, WHITE-2, WHITE-3, WHITE-4, WHITE-5, WHITE-6
LOOSE TUBE COLOUR & SEQUENCE IN SECOND LAYER	RED, BLUE, YELLOW, WHITE-1, WHITE-2, WHITE-3, WHITE-4, WHITE-5, WHITE-6, WHITE-7, WHITE-8, WHITE-9, WHITE-10, WHITE-11 & WHITE-12
DIAMETER OF PE COATED F.R.P. ROD	5.5 mm Nominal
DIAMETER OF LOOSE TUBE	2.8 mm Nominal
OUTER SHEATH THICKNESS	≥ 1.8 mm
CABLE DIAMETER	21.7 ± 1.0 mm
WEIGHT OF CABLE	325 ± 30 Kg/Km
PRINTING ON CABLE	AS PER CUSTOMER REQUIREMENT
STANDARD LENGTH	2 ± 10% Kms