

Single Mode Simplex 3mm

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

Mechanical & Environmental Properties

MAX OPERATING TENSION	150 Newton
MAX INSTALLATION TENSION	300 Newton
CRUSH RESISTANCE	500 Newton / 10 cm
MINIMUM BENDING RADIUS--- TEMPORARY	30mm
PERMENANT	60mm
MAX. OPERATING/INSTALLATION TEMPERATURE	-20 °C to +60 °C

Physical & Dimensions Properties

TIGHT BUFFER / TIGHT COATED FIBRE DIAMETER	0.90 +/- 0.05 mm
BUFFER COLOUR	NATURAL
STRENGTH MEMBERS (ARAMID)	ARAMID YARN
OUTER SHEATH MATERIAL	LSZH
OUTER SHEATH COLOR	YELLOW
SHEATH THICKNESS	0.5 mm Nominal
OVERALL WEIGHT	8.0 +/- 1.0 Kg
OVERALL DIAMETER	3.0 +/- 0.10 mm
PACKING LENGTH	1.0 / 2.0 Km +/- 10%
PRINTING ON THE CABLE	AS PER CUSTOMER REQUIREMENT

Cable Cross Section

