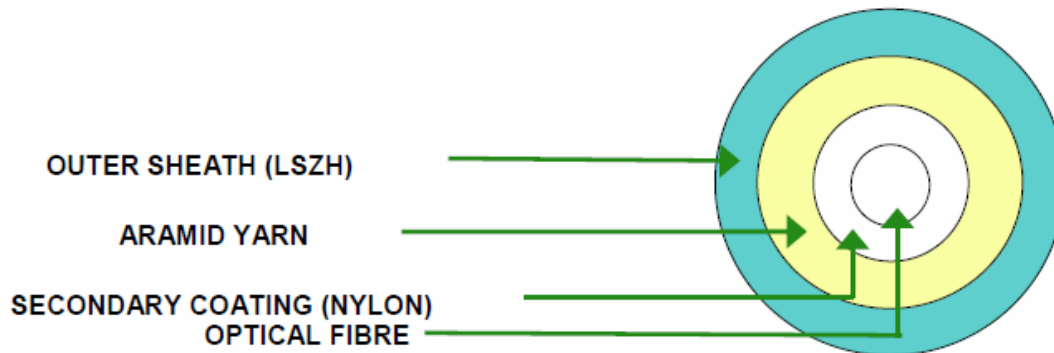


# OM3 Simplex 3mm

## Fibre Properties

FIBRE TYPE		MM 50/125 OM3
ATTENUATION @ 850 nm	dB/km	$\leq 3.0$
@ 1300 nm		$\leq 1.0$
BANDWIDTH AT 850 nm	MHz.km	$\geq 1500$
1300 nm		$\geq 500$
NUMERICAL APERATURE		$0.200 \pm 0.015$
CORE DIAMETER	um	$50 \pm 2.0$
CORE NON CIRCULARITY	%	$\leq 2$
CLAD DIAMETER	um	$125 \pm 2.0$
CLAD NON CIRCULARITY	%	$\leq 2.0$
CORE CONCENTRICITY ERROR	um	$\leq 6$
COATING DIAMETER	um	$245 \pm 10$

## Cable Cross Section



## Mechanical & Environmental Properties

MAX. OPERATING TENSION	: 150 Newton
MAX INSTALLATION TENSION	: 300 Newton
CRUSH RESISTANCE	: 500 Newton/10 cm
MINIMUM BENDING RADIUS--- TEMPERORY	: 30 mm
PERMENANT	: 60 mm
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	AQUA
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