

AKSH OPTIFIBRE LIMITED	PART No.: O-1/SM/(2K)-MFZ -W 3.1 DATE OF ISSUE: 01.04.2008 PAGE : 01 of 01 CABLE TYPE: 1F G657 A SM FIBRE DROPLITE CABLE CUSTOMER:	
	DESIGN & DATA SPECIFICATION SHEET	PREPARED BY JAVED ABIDI

FIBRE PROPERTIES

CHARACTERISTICS	UNIT	VALUE
ATTENUATION @ 1310 nm	dB/km	≤ 0.36
@ 1383 nm		≤ 0.33 or less than 1310 nm
@ 1550 nm		≤ 0.22
CHROMATIC DISPERSION 1285 - 1330 nm	ps/nm.km	≤ 3.5
1550 nm		≤ 18.0
ZERO DISPERSION WAVELENGTH	nm	1300 to 1324
ZERO DISPERSION SLOPE	ps/nm ² .km	≤ 0.092
POLARIZATION MODE DISPERSION	ps/ $\sqrt{\text{km}}$	≤ 0.20
CABLED CUT OFF WAVELENGTH	nm	≤ 1260
MODE FIELD DIAMETER at 1310 nm	um	8.6 ± 0.4
CORE -CLAD CONCENTRICITY ERROR	um	≤ 0.6
CLADDING NON CIRCULARITY	%	≤ 1.0
CLADDING DIAMETER	um	125 ± 1.0
COATING DIAMETER	um	245 ± 10

CABLE PROPERTIES

NO. OF FIBRES	1	
COLOUR OF FIBRE	BLUE	
TYPE OF FIBRE	SM G657 A	
STRENGTH MEMBER	ARAMID REINFORCED PLASTIC ROD -2 Nos.	
SHEATH MATERIAL	LOW SMOKE ZERO HALOGEN (LSZH)	
SHEATH COLOUR	WHITE	
CABLE DIMENSIONS-	HEIGHT	2.0 ± 0.10 mm
	WIDTH	3.1 ± 0.10 mm
CABLE WEIGHT	9.5 ± 1.0 Kg/Km	
TENSILE STRENGTH	Newton	150
MIN. BENDING RADIUS	mm	40
TEMPERATURE PERFORMANCE OPERATING / INSTALLATION	°C	- 10 to + 70
PACKING LENGTH	Km	1.0 ± 10 %
PRINTING ON CABLE (BLACK INKJET)	AS PER CUSTOMER REQUIREMENT	

CROSS SECTIONAL VIEW:

