

FLAT DROP OUTDOOR FTTx 4-12SM G652D

CoreTel s.r.o.	DATE OF ISSUE : 27.05.2014 CABLE TYPE: 4, 12 F SM FLAT TYPE AERIAL OPTICAL FIBRE CABLE	
	DESIGN & DATA SPECIFICATION SHEET	PREPARED BY GARIMA BAHL

1. FIBRE PROPERTIES

ATTENUATION @ 1310 nm	dB/km	≤ 0.34
@ 1550 nm		≤ 0.21
CHROMATIC DISPERSION 1285-1330 nm	ps/nm.km	≤ 3.5
At 1550 nm		≤ 17.0
ZERO DISPERSION WAVELENGTH	nm	1300-1324
ZERO DISPERSION SLOPE	ps/nm ² .km	≤ 0.092
CUT OFF WAVELENGTH	nm	1170-1310
POLARISATION MODE DISPERSION	ps/root km	≤ 0.2
MODE FIELD DIAMETER at 1310 nm	um	9.3 ± 0.5
CORE- CLAD CONCENTRICITY ERROR	um	≤ 0.6
CLADDING NON CIRCULARITY	%	≤ 1.0
CLADDING DIAMETER	um	125 ± 0.7
COATING DIAMETER	um	245 ± 7

2. MECHANICAL & ENVIRONMENTAL PROPERTIES

A. MAX. OPERATING TENSION	:	600 Newton
MAX INSTALLATION TENSION	:	1200 Newton
B. CRUSH RESISTANCE	:	2000 Newton/10 cm
C. MINIMUM BENDING RADIUS--- TEMPORARY	:	100 mm
PERMENANT	:	200 mm
D. MAX. OPERATING/ INSTALLATION TEMPERATURE	:	- 30 °C to + 70 °C
E. MAX. SPAN LENGTH	:	70 Meter

3. PHYSICAL & DIMENSIONS PROPERTIES

NO. OF FIBRES	4F	12F
COLOUR OF FIBRE	BLUE, ORANGE, GREEN, BROWN	BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED, BLACK, YELLOW, VIOLET, ROSE AQUA
NOMINAL DIMENSIONS		
A) WIDTH		7.2 ± 0.3 mm
B) HEIGHT		3.5 ± 0.3 mm
DIAMETER OF EAA COATED F.R.P. ROD (2 nos.)		2.0 ± 0.05 mm
DIAMETER OF LOOSE TUBE (ID/OD)		1.4/1.8 mm Nominal
SHEATH THICKNESS		0.75 mm Nominal
WEIGHT OF CABLE		32 ± 3 Kg/Km
PRINTING ON CABLE	AS PER CUSTOMER REQUIREMENT	
STANDARD LENGTH	4000 mts ± 5%	

