

WILLETT COMMUNICATIONS

16-A, Export Promotion Industrial Phase, Phase-1, Jharmajri, Baddi (H.P.), India



www.willett cable.com

CONSTRUCTIONAL & TECHNICAL DATA SHEET - 48F Non Armored

Name of Customer :

DATA SHEET NO: 15

Date : 22.06.216

1. FIBER PROPERTIES

CHARACTERISTICS	UNIT	VALUE
ATTENUATION @ 1310 nm	dB/km	≤ 0.34
@ 1550 nm	ps/nm.km nm	≤ 0.20
CHROMATIC DISPERSION 1285-1330 nm	ps/nm ² .km nm	≤ 3.5
At 1550 nm	ps/root km	≤ 18.0
ZERO DISPERSION WAVELENGTH	um um	1304 to 1324
ZERO DISPERSION SLOPE	%	≤ 0.092
CABLE CUT OFF WAVELENGTH	um um	≤ 1260
POLARISATION MODE DISPERSION	MODE	≤ 0.1
FIELD DIAMETER at 1310 nm		9.2 ± 0.4
CORE- CLAD CONCENTRICITY ERROR		≤ 0.5
CLADDING NON CIRCULARITY		≤ 0.7
CLADDING DIAMETER		125 ± 0.7
COATING DIAMETER		242 ± 5

2. MECHANICAL & ENVIRONMENTAL PROPERTIES

A. MAX. TENSILE STRENGTH	:	1000 Newton
B. CRUSH RESISTANCE	:	2000 Newton/100 mm
C. MINIMUM BENDING RADIUS -	:	20 x D mm
D. MAX. OPERATING/ INSTALLATION TEMPERATURE	:	- 20 °C to + 70 °C

3. PHYSICAL & DIMENSIONS PROPERTIES

NO. OF FIBRES	48F
NO OF TUBES/NO OF FILLER	6/0
TYPE OF FIBRE	SM G652 D
LOOSE TUBE DIAMETER	2.0 mm Nominal
STRENGTH MEMBER	FRP ROD & GLASS YARN REINFORCEMENT
SEQUENCE OF TUBE	BLUE, ORANGE, GREEN, BROWN, SLATE & WHITE
COLOUR OF FIBRE	BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED & BLACK
OUTER SHEATH MATERIAL	HDPE-BLACK
OUTER SHEATH THICKNESS	1.5 mm Nominal
OUTER CABLE DIAMETER	9.5 ± 0.8 mm
CABLE WEIGHT	75 ± 8 Kg/Km
PRINTING ON CABLE	WILLETT
STANDARD LENGTH	2,4 ± 10% KMS