

WILLETT COMMUNICATIONS



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

www.willett cable.com

CONSTRUCTIONAL & TECHNICAL DATA SHEET - 48F Armored

Name of Customer :

DATA SHEET NO: 16

Date : 28.06.216

1. FIBER PROPERTIES

| CHARACTERISTICS | | UNIT | VALUE |
|-----------------------------------|------------------------|-------|--------------|
| ATTENUATION | @ 1310 nm | dB/km | |
| @ 1550 nm | | | |
| CHROMATIC DISPERSION 1285-1330 nm | ps/nm.km | | |
| | At 1550 nm | | |
| ZERO DISPERSION WAVELENGTH | | nm | 1300 to 1324 |
| ZERO DISPERSION SLOPE | ps/nm ² .km | | |
| CABLE CUT OFF WAVELENGTH | | nm | |
| POLARISATION MODE DISPERSION | ps/root km | | |
| MODE FIELD DIAMETER at 1310 nm | | um | 9.3 + 0.5 |
| CORE- CLAD CONCENTRICITY ERROR | | um | |
| CLADDING NON CIRCULARITY | | % | |
| CLADDING DIAMETER | | um | 125 + 1.0 |
| COATING DIAMETER | | um | 245 + 10 |

2. MECHANICAL & ENVIRONMENTAL PROPERTIES

| | | |
|---|---|--------------------|
| A. MAX. TENSILE STRENGTH | : | 3000 Newton |
| B. CRUSH RESISTANCE | : | 4000 Newton/100 mm |
| C. MINIMUM BENDING RADIUS | : | 20XD (210 mm) |
| D. MAX. OPERATING/ INSTALLATION TEMPERATURE | : | - 30 °C to + 70 °C |

3. PHYSICAL & DIMENSIONS PROPERTIES

| | |
|-----------------------------|---|
| NO. OF FIBRES | 48F |
| TYPE OF FIBRE | SM G652D |
| NO. OF TUBES/NO. OF FILLERS | 6/0 |
| LOOSE TUBE DIAMETER | 1.8 mm Nominal |
| STRENGTH MEMBER | FRP ROD & E.C. CORRUGATED STEEL TAPE ARMOUTING |
| COLOUR OF FIBRE | BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED & BLACK |
| COLOUR OF LOOSE TUBE | BLUE, ORANGE, GREEN, BROWN, SLATE & WHITE |
| OUTER SHEATH MATERIAL | HDPE - BLACK |
| OUTER SHEATH THICKNESS | 1.5 mm NOMINAL |
| OUTER CABLE DIAMETER | 10.5 + 0.8 mm |
| CABLE WEIGHT | 105 + 10 Kg/Km |
| PRINTING ON CABLE | AS PER CUSTOMER REQUIREMENTS |
| STANDARD LENGTH | 2,4 + 10% KMS |
| OVERALL QUANTITY | + 10% KMS |
| TOLERANCE | |