

## 72 Fibre High Strength Non-Metallic Armoured Stranded Loose Tube Cable

Stranded cable comprising up to 72 optical fibres contained in jelly-filled loose tubes (up to 12 fibres per tube). The tubes and fillers are laid around a central strength member and contained within a dry, water blocked cable core, sheathed with polyethylene (PE), termite resistant nylon, glass composite armour and outer UV stable, polyethylene sheath forming a conventional HS1 cable. Surface printing includes length marking at one metre intervals.

### Part Number

NMJ6\*\*JB0†‡##

NKJ6\*\*JB0¥##

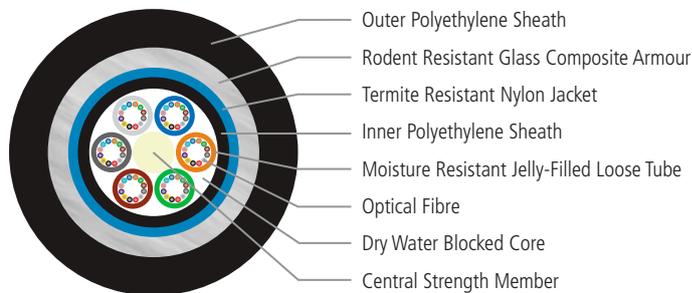
### Applicable Specifications

AS/CA S008, AS 1049, AS/NZS 11801-1, TIA-598-D, IEC 60793, IEC 60794, ITU-T Recommendations

### Applications

High strength non-metallic armoured stranded loose tube cable is ideal for short and long-haul, point-to-point, point-to-multipoint, backbone applications and can be installed in rocky or expansive soils, suitable for duct and direct-burial applications. The glass composite armour over the Nylon Jacket provides rodent resistance and robustness to the cable, whilst increasing the tensile strength. Cable has been rigorously tested for lateral and axial compressive loads to simulate the demands of expansive black soil. UV stabilised outer jacket as per AS 1049.

### Cable Components



### Physical Characteristics

| SPECIFICATION                    | UNIT                | VALUE     |   |
|----------------------------------|---------------------|-----------|---|
| Nominal Tube Diameter            | mm                  | 3.2       |   |
| Nominal Cable Diameter           | mm                  | 19        |   |
| Nominal Weight                   | kg/km               | 300       |   |
| Temperature Range                | °C                  | -10 to 70 |   |
| Max. Pulling Tension - Install   | kN                  | 17        |   |
| Min. Bending Radius - Under Load | mm                  | 20 x OD   |   |
| Min. Bending Radius - No Load    | mm                  | 10 x OD   |   |
| Max. Crush Resistance            | Short-term (10 min) | kN/100 mm | 6 |
|                                  | Long-term (120 min) | kN/100 mm | 3 |
| Impact                           | kg.m                | 1.5       |   |

\*\* Represents any fibre type, 1D = SM G.652.D "LWP", 1E = SM premium G.652.D "LWP", 62 = 62.5 µm multimode "OM1", 53 = 50 µm multimode "OM3", 55 = 50 µm multimode "OM4". Contact AFL for other fibre types.

†† Represents any fibre-count up to 72 (NMJ6 - 12F/Tube).

¥¥ Represents any fibre-count up to 36 (NKJ6 - 6F/Tube).

## Represents sheath colour, BK = Black (standard), the following colours are available upon request: BE = Blue, GY = Grey, YW = Yellow, WE = White.

Refer to OSP Cable - Optical Characteristics for further information.