

## Axial Loose Tube Optical Fibre Cable with Sacrificial Sheath

Axial loose tube cable comprising up to 24 optical fibres contained in a jelly-filled loose tube strengthened with flexible non-metallic elements bonded to a polyethylene (PE) sheath, termite resistant Nylon jacket and additional UV stable, sacrificial PE outer sheath. Surface printing includes length marking at one metre intervals.

### Part Number

LQH1\*\*E\$0†BK

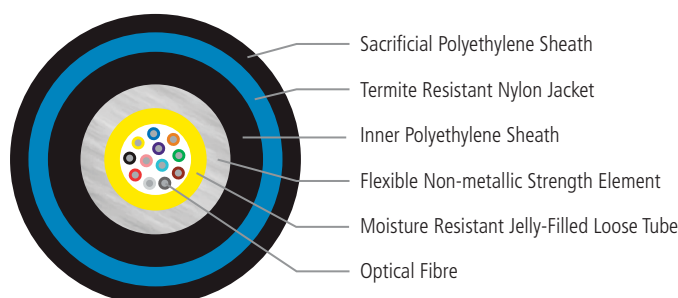
### Applicable Specifications

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

### Applications

Axial loose tube cable is ideal for short and long-haul, point-to-point backbone applications and can be installed in-duct or direct-buried. The addition of an outer black PE sacrificial sheath protects the inner termite resistant Nylon barrier from damage during installation. 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        | 10.5      |
| Nominal Weight                   | kg/km     | 85        |
| Temperature Range                | °C        | -40 to 70 |
| Max. Pulling Tension - Install   | kN        | 2         |
| Min. Bending Radius - Under Load | mm        | 20 x OD   |
| Min. Bending Radius - No Load    | mm        | 10 x OD   |
| Max. Crush Resistance            | kN/100 mm | 2         |
| Impact                           | kg.m      | 1         |

\*\* Represents any fibre type, 1D = SM G.652.D "LWP", 1F = SM G.657.A1, 62 = 62.5 µm multimode "OM1", 53 = 50 µm multimode "OM3", 55 = 50 µm multimode "OM4". Contact AFL for other fibre types.

\$ Represents Outer Sacrificial Polyethylene Sheath colour type, A = Black, B = Colours other than Black.

†† Represents any fibre-count up to 24 for single-mode, up to 12 for multimode.

Supplied with BK = Black sheath as 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.