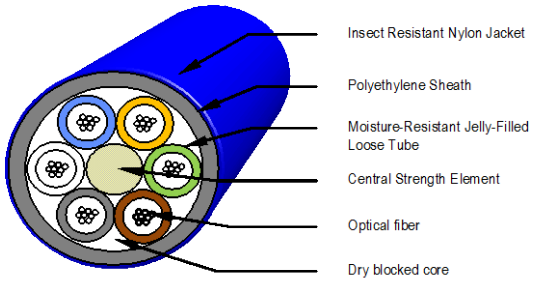
12-72 Fibre Non-Armoured Loose Tube Cable



Product Code:

LMD6**PA0††BE

Description:

Stranded cable containing up to 72 optical fibres contained in jelly filled loose tubes (12 fibres per tube). The tubes and fillers are laid up around a central non-metallic strength member, water blocked, taped, and polyethylene sheathed with nylon jacket. Surface printing includes sequential length marking at one-metre intervals.

Applicable Specifications:

AS/CA S-008, AS 1049, AS3080, IEC 60793 and IEC 60794 ITU-T G652.d & ITU-T Rec. G657.a

Applications:

The cable is non-metallic in standard form and is used by telecommunications carriers. A water-blocked loose-tube cable, designed for long-haul applications, suitable for duct and direct burial applications by either trenching or direct ploughing. Whilst the Nylon jacket is UV-stabilised, the cable is not intended for installations directly exposed to UV. AFL recommends a sacrificial jacket of Black PE over coloured Nylon for long term exposure.

Physical Characteristics

Specification	Unit	Value
Tube Diameter	mm	2.0
Nominal cable Diameter	mm	9.8
Nominal weight	kg/km	75
Temperature Range	°C	-40 to 70
Max Pulling Tension (Install)	kN	2
Min bending radius - Under load	mm	20 x OD mm
Min bending radius - No load	mm	10 x OD mm
Max Crush Resistance	kN/100mm	2
Impact	kg/m	1

Colour Code for fibres & tubes: Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua

** Represents any fibre type, 1D = sm G652.d “LWP”, 62 = 62.5 um multimode “OM1”, 50 = 50 um multimode “OM2”, 53 = 50 um multimode “OM3”, 55 = 50 um multimode “OM4” , D6 = SMG652/OM1, D3 = SM G652/OM3

†† Represents any fibre-count up to 72

This datasheet is provided for guidance only and is subject to change without notice. Please ensure you have the most up to date information where parameters in this document are considered critical for your particular application.