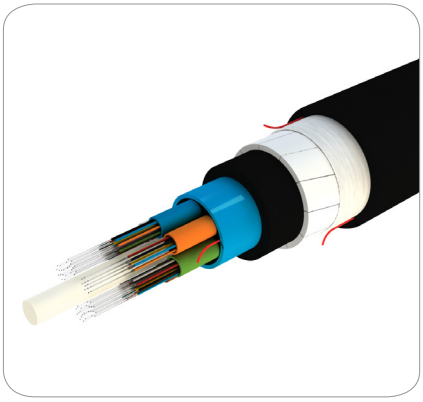


144 Fibre Non-Metallic Flat FRP Armoured Stranded Loose Tube Cable

Stranded cable comprising up to 144 optical fibres contained in jelly-filled loose tubes (up to 24 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 termite resistant nylon, inner Polyethylene, Flat FRP armour and outer UV stable, polyethylene sheath. Surface printing includes length marking at one metre intervals.

Part Number

RTF6**FB$$$##
RMF6**FB††##
RKF6**FB¥¥##

Applicable Specifications

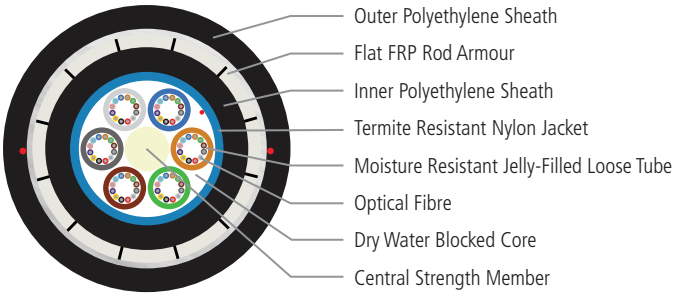
AS/CA S008, AS 1049, AS/NZS 11801-1, TIA-598-D, IEC 60793, IEC 60794, ITU-T Recommendations

Applications

Non-metallic Flat FRP 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-duct or direct-buried.

Coupled with the Flat FRP Armour against rodent attack, the Nylon jacket provides an insect (termite) resistant layer, strategically positioned to ensure longevity. UV stabilised outer jacket as per AS 1049.

Cable Components



Physical Characteristics

SPECIFICATION		UNIT	VALUE
Nominal Tube Diameter		mm	2.3
Nominal Cable Diameter		mm	15
Nominal Weight		kg/km	170
Temperature Range		°C	-40 to 70
Max. Pulling Tension - Install		kN	4
Min. Bending Radius - Under Load		mm	30 x OD
Min. Bending Radius - No Load		mm	15 x OD
Max. Crush Resistance	Short-term (10 min)	kN/100 mm	2
	Long-term (120 min)	kN/100 mm	2
Impact		kg.m	1

** Represents any fibre type, 1D = SM G.652.D "LWP", 1E = SM premium 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 any fibre-count up to 144 (RTF6 - 24F/Tube).
†† Represents any fibre-count up to 72 (RMF6 - 12F/Tube).
¥¥ Represents any fibre-count up to 36 (RKF6 - 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.