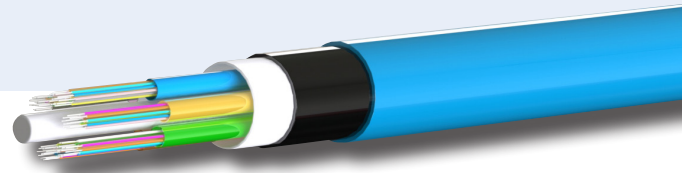


High Strength Nylon Jacket Loose Tube Cable 6-72f



FOS high-strength nylon jacket loose tube is a stranded dielectric loose tube fibre cable

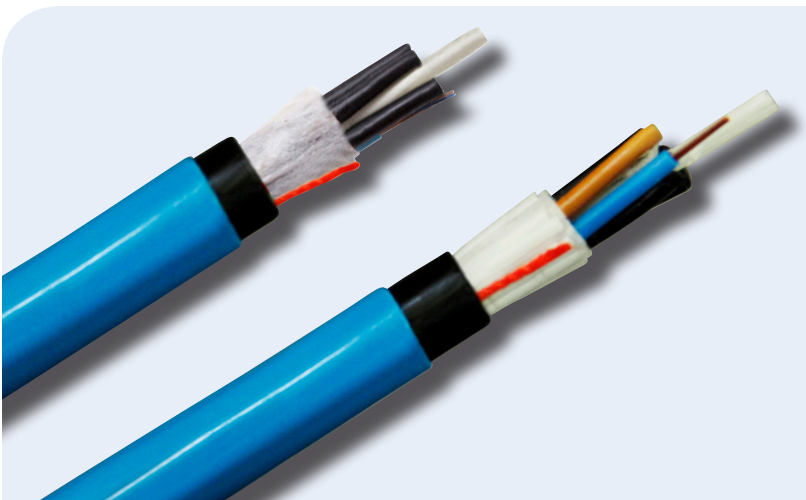
This cable is particularly suited to external underground installations in ducts by pulling, jetting or floating techniques or by direct burial in open-cut trenches. The high strength nature of the cable ensures adequate protection in expansive, rocky or termite prone areas.

Loose tube cable offers a cost-effective and rugged solution for medium and long distance external fibre runs.

FOS nylon jacket loose tube cable is available in OM1, OM3 and Singlemode.¹

Applications

- Underground ducts
- Direct buried fibre links
- Inter-building links
- Campus fibre networks
- Infrastructure and industrial fibre links
- Long distance fibre networks



Features & Benefits

- High strength bonded double jacketed construction ensures integrity of the cable in a range of challenging installation environments
- Insect resistant nylon outer and UV stabilised polyethelene inner jacket for long life in a wide range of installations
- Water swellable yarns provide protection against water ingress (dry core construction)
- Non-metallic construction
- Fibreglass reinforced polymer central strength member
- Flexible buffer tubes provide easy handling within termination enclosures
- Single layer SZ stranding limits stress on fibre tubes
- Fibre friendly thixotropic gel in tubes ensures fibre protection
- TIA 598 standard colour code
- 12 fibre tube construction²
- 6 to 72 fibres

¹G652.D Standard, G655, G656, G657 available

²Excludes 6f cable

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For further information:
www.fibreoptic.com.au
+61 3 9757 3000

Fibre Performance

Fibre type	OM1	OM3	OM4	OS1/2 (G652.D)
Attenuation at 850nm (db/km)	≤3.1	≤3.0	≤3.0	n/a
Attenuation at 1300/1310nm (db/km)	≤1.0	≤1.0	≤1.0	≤0.35
Attenuation at 1550nm (db/km)	n/a	n/a	n/a	≤0.21
Attenuation at 1625nm (db/km)	n/a	n/a	n/a	<0.24
Bandwidth at 850nm [1300nm] (MHz.km)	≥200 [≥500]	≥1500 [≥500]	≥3500 [≥500]	n/a



Technical Specifications

Temperature Range (°C)	Operating: -30 to +70 Storage: -30 to +70 Install: -30 to +70	(IEC 60794-1-2-F1)
Cable bend radius	20 x cable diameter	(IEC 60794-1-2-E11A)
Repeated bending	30 cycles: radius 20 X cable diameter, 10 Kg Load	(IEC 60794-1-2-E6)
Max tensile force (N)	6000 (max)	(IEC 60794-1-2-E1)
Torsion resistance	10 Cycles (± 180°) 10 kg weight, 2m length	(IEC 60794-1-2-E7)
Crush resistance (N/100mm)	6000 for 60 sec	(IEC 60794-1-2-E3)
Impact resistance (kg/m)	1.5	(IEC 60794-1-2-E4)
Kink resistance	10 x cable diameter	(IEC 60794-1-2-E10)
Water penetration	1m head, 3m cable, 24 hours	(IEC 60794-1-2-F5B)

Change in attenuation after the test shall be less than 0.1dB

Cable Characteristics

Fibre Count	6 - 72
Nominal diameter (mm)	13.7
Nominal weight (kg/km)	145
Minimum bend radius installation (cm)	27.4
Min. bend radius long term (cm)	27.4

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