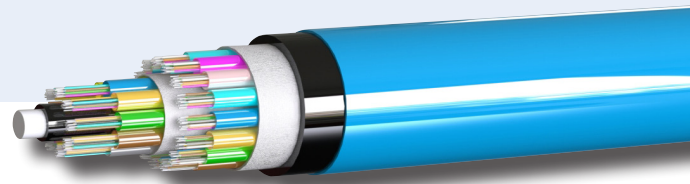


# Nylon Jacket Loose Tube Cable 288f



FOS nylon jacket dielectric loose tube fibre cable is suited to external underground installations in ducts by pulling, jetting or floating techniques or by direct burial in open-cut trenches. The high fibre count, double layered tube arrangement of this 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, OM4 and Singlemode.\*

## Applications

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

## Features & Benefits

- Bonded double jacketed construction
- 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 and glass yarn peripheral strength member provide excellent strength
- Flexible buffer tubes provide easy handling within termination enclosures
- Double layer SZ stranding limits stress on fibre tubes
- Fibre friendly thixotropic gel in tubes ensures fibre protection
- TIA 598 standard colour code
- Double layer 12 fibre tube construction
- 288 fibres

\*G652.D Standard, G655, G656, G657 available

Active | Passive | Test Equipment | Tooling | Cable | Fibre Management

For further information:  
[www.fibreoptic.com.au](http://www.fibreoptic.com.au)  
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## 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: -10 to +50	(IEC 60794-1-2-F1)
Cable bend radius	Install: 20 x cable diameter Operation: 15 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)	Install: 2000 Operation: 1000	(IEC 60794-1-2-E1)
Torsion resistance	10 Cycles (± 360°) 10 Kg weight, 2m length	(IEC 60794-1-2-E7)
Crush resistance (N/100mm)	2000	(IEC 60794-1-2-E3)
Impact resistance	500mm height, 3kg weight, 3 impacts	(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)

## Cable Characteristics

Fibre Count	288
Nominal diameter (mm)	16.0
Nominal weight (kg/km)	200
Minimum bend radius installation (cm)	32.0
Min. bend radius long term (cm)	24.0

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