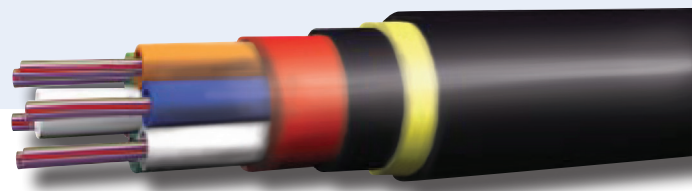


# ADSS Fibre Optic Cable 6-144f



FOS All-dielectric Self Supporting fibre cable is suited to external aerial applications such as power lines, railway overhead lines or telephone poles.

ADSS cable features a completely non-metallic structure and is therefore suited for applications where high voltage power lines are present.

## Applications

- High voltage power lines
- Telephone poles
- Railway overhead lines
- Utility networks
- Rural long distance data transmission

## Features & Benefits

- UV stabilised polyethylene jacket suitable 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 aramid yarn peripheral strength member provide excellent strength
- 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 constructions\*
- 6 to 144 fibres

\*Excludes 6f cable



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

For further information:  
[www.fibreoptic.com.au](http://www.fibreoptic.com.au)  
+61 3 9757 3000

## Fibre Performance

Fibre type	OS1/2 (G652.D)
Attenuation at 1310nm (db/km)	≤0.36
Attenuation at 1550nm (db/km)	≤0.23

## Cable Characteristics

Fibre Count	Nominal diameter (mm)	Nominal weight (kg/km)	Minimum bend radius (cm)
6 - 24	12.0	120	24.0
48 - 72	12.7	130	25.4
96	14.2	160	28..2
144	17.0	230	34.0



## Technical Specifications

Temperature Range (°C)	Operating: -20 to +70 Storage: -20 to +70 Install: -10 to +70	(IEC 60794-1-2-F1)
Cable bend radius	Install: 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 pulling tension (N)	6000	(IEC 60794-1-2-E1)
Maximum span (m)	150	
Torsion resistance	10 Cycles (± 180°) 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)

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 Fibre Optic Systems