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fibresales Fibre Optic All Dielectric Self Supporting Fibre Optic Cable (ADSS)



Ultra High Strength Loose Tube

Australian Made for Australian Conditions

Proudly manufactured in Australia to withstand the country's unique environmental conditions. Whether you choose a Nylon-Jacketed, PE Sacrificial Sheath, or our 100% Rodent-Proof Loose Tube Cable, you can trust that each product is engineered to meet the specific challenges posed by the Australian environment.

Dry Water Blocking

Our internal dry water blocking technology enhances the work environment by minimizing mess and simplifying site cleanup. In the event of a sheath breach, this innovative feature also prevents water migration, helping to maintain the integrity of the cable and ensuring reliable performance.

All Dielectric Constuction

fibresales ADSS Fibre Optic Cable does not contain any metallic elements, meaning there is no electromagnetic interference with the cables performance. This cable is very suitable for any communication near electric power systems

True Self-Supporting

fibresales ADSS Fibre Optic Cable is fully Self-Supporting and does not require a seperate messenger wire, installations are achieved in a single pass.



TECHNICAL SPECIFICATIONS

MAX Span: 300 Metres

Wind Speed: 100km/per hour

Number of Fibres		12-60 fibres
Number of Elements		5
Tube Diameter		2.4
Tolerance	mm	± 0.3
Cable Nominal Weight	kg/km	83
Modulus of Elasticity at 20°C	kN/mm ²	16.4
Max. Crush Resistance	kN/100 mm	2.0 (short term) / 1.0 (Long Term)
Min. Bending Radius		
At Full Load	mm	20x Cable OD including coils in poles
At No Load		15x Cable OD

Temperature Range

Operating Temperature	-10°C ~ + 70°C
Installation Temperature Thermal	0°C ~ + 50°C
Expansion Coeff. at 20°C	1/°C 5.1 x 10 ⁻⁶

IDENTIFICATION

NO.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Slate	White
NO.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

Ordering Code:

AS2-12-100-300

AS = ADSS Cable
2 = Singlemode
12 = 12 Fibres
100 = 100km/hr Wind Span
300 = 300m Max Span