

Annex A.1.12.
(Non-Confidential version)

ADSS Brochure



About Us

Prysmian is a global market leader in optical cables, supplying a major part of the world's optical cable needs. With a strong heritage of highly advanced R&D, Prysmian is at the leading edge of the technology.

Prysmian has a worldwide telecom manufacturing presence in 12 countries and 4 continents. This global expertise and local manufacturing capacity make Prysmian a significant force in the international marketplace, assuring continuity of supply and high levels of service.

Prysmian's optical technology encompasses optical fibres, cables, connectivity, projects and services ensuring that not only the right cable but the right total optical communication system is matched to our customers' needs.

Prysmian offers a complete service from design, development and manufacture through to technical support of commissioned cable networks. Planning and logistics are the cornerstone of our operation, with quality maintained through the expertise and dedication of all our staff working across the business to ISO 9001 and 14000 standards.

When a project is in Prysmian's hands, our customers can depend on a total quality service.

Specifications are subject to change without notice. Cable are designed and tested according to the main national and international specifications (IEC specifications).

dega design group

ADSS



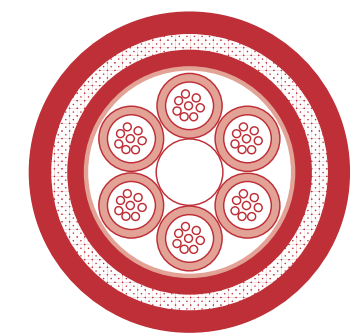
Fibre count up to 144f



Independent telecom system



Fast deployment



ADSS

An optical cable which can be installed on overhead power lines, gantries or poles. The cable is self-supporting and thus independent of any other wires/conductors. Short span designs may be single sheath.

Benefits

- > Fibre count up to 144f
- > Suitable for all types of aerial lines
- > Independent telecom system
- > Fast deployment
- > Installation in live conditions on power lines
- > Available for long, medium and short span routes

Full range of fibre types

- > G.651 (Multi mode fibre)
- > G.652 (Single mode fibre)
- > G.655 (NZD fibre for DWDM applications)

Full range of protections



Water blocked



Rodent resistant



Impact resistant



Oil/hydrocarbon resistant

Full range of applications



Outdoor



Indoor



Aerial



Underground



Metro

Further protections available



Flame retardant (Afumex™)



Impact resistant (Airbag™)



Rodent Resistant



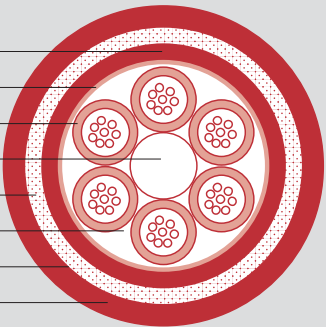
Shotgun resistant



Track resistant (25 kV)

CROSS SECTION DRAWING

- Inner sheath
- Plastic tape
- Buffer tubes
- Dielectric strength member
- Aramid yarns reinforcement
- Waterblocking compound
- (Shotgun protection)
- Outer sheath (Antitracking)



TYPICAL PARAMETERS

Number of fibres	n°	up to 96	up to 144
Nominal outer diameter	mm	11.5 - 16.2	17.3
Cable weight	kg/km	110 - 230	260
Minimum bend radius	mm	170 - 260	
Maximum working tension	N	up to 25000	
Operating temperature range	°C	-40°/+70°	

* For long span applications dimensions may increase.