

Annex A.1.10.
(Non-Confidential version)

Ribbon 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.

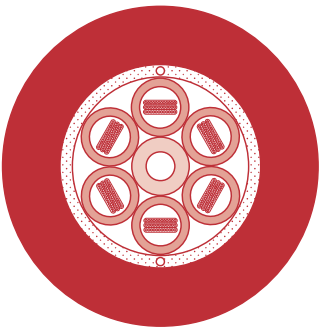
When a project is in Prysmian’s hands, our customers can depend on a total quality service.

MassLink™



High Fibre count Ribbon in Loose Tube Cables

- > High capacity –up to 1728f
- > High fibre density
- > Rapid installation
- > Reduced cost mass fusion splicing
- > Easy break-out of fibres & tubes



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

MassLink™



MassLink™



For applications requiring 216-fibres and above, the MassLink™ portfolio, with its designs which use stranded tubes of 12-fibre ribbons, provides a fast and efficient means of building an access network.

The most significant cost savings are made in splicing times through the use of mass fusion splicing techniques: a 432-fibre ribbon joint can be prepared in a third of the time compared with single fibre splicing (which will also result in additional logistical expenses).

Ribbon cable preparation times also compare favourably with many loose tube and central tube designs, especially for mid-span joints, as the cables use dry water-blocking materials that are easier to remove.

For lower fibre counts, Prysmian also offers a central tube ribbon design, FusionLink™, which makes ribbon solutions cost effective right across the spectrum.

Prysmian is able to supply the cable, the fibre management solutions required and the service or the resource to complete the introduction of ribbon cables in your network.

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)

DESIGN PARAMETERS

Parameter/Fibre ranges	216-432	444-864
Number of positions	6	6
Number of ribbons/Tube	6	12
Nominal outer diameter	mm	21.4
Cable weight	kg/km	345
Pulling eye O.D.	mm	21.35
Max length	m	4,000

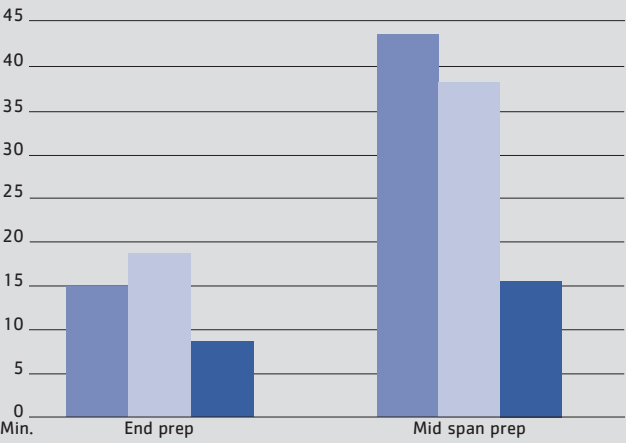
PERFORMANCE SPECIFICATIONS

Bending radius	Dynamic	x Cable O.D.	20
	Static	x Cable O.D.	10
Tensile rating	Installation	N	4500
	Residual	N	890
Crush resistance		N/cm	220

Temperatures Operation	°C	-30/+70
Temperatures Installation	°C	-10/+40
Temperatures Storage	°C	-40/+70

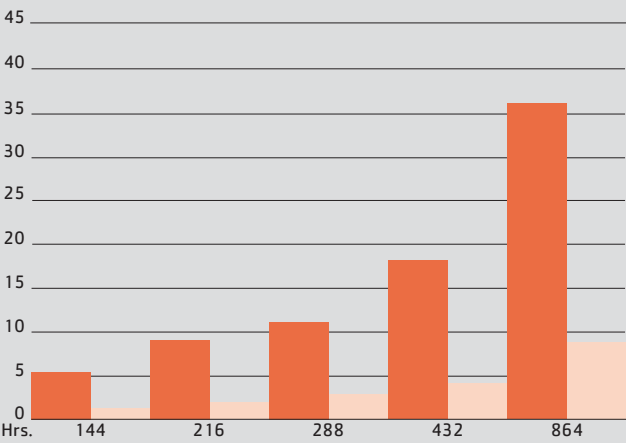
CABLE PREPARATION

■ Central tube ■ Loose tube ■ Ribbon



SPLICING TIMES

■ Single fibre ■ Ribbon (12 fibre)



Any questions? Our team of experienced technical staff is ready to talk to you. See contact details.