

Get Sm@rt.

Our range of optical fibre solutions covers the whole chart.



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Group

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Type	Product	Fibre range	# fibres / tube	If your need is ...
Underground	SM@RTCORE®	12 - 312	12	High fibre count and medium density.
		624	24	
	MINISM@RT	12 - 144	12	Low fibre count but high density and very small cable.
		144 - 288	24	
	CENTRAL TUBE	6 - 24	6 - 24	<ul style="list-style-type: none"> • Low fibre count • Low installation cost
	FLEXTUBE®	72 - 720	12	<ul style="list-style-type: none"> • Very high fibre density and capacity. • Reduced installation time.
		720 - 2112	24	
	RIBBON	72 - 864	12F Ribbons	Medium fibre count and reduced installation times.
ARM@CORE®	12 - 312	12	Where rodents are a problem.	
HSE EXTR@CORE®	12 - 144	12	Performance on reactive soils.	
Aerial	ADSS	12 - 144+	12	Non-metallic aerial cable.
Water	UNDERWATER	72 - 1728	12 or 24	Sm@rtcore or FlexTube with robust protection preventing water ingress.
Extractable	VERTICASA ^{XS}	12 - 144	2 - 12	<ul style="list-style-type: none"> • Low fibre count • Quick deployment
	RETRACTANET ^{XS}	12 - 96	2 - 12	<ul style="list-style-type: none"> • Low fibre count • Quick deployment
Connectivity	COMPACT MOUNTED JOINT (CMJ)	Capacity: 12 - 144	-	<ul style="list-style-type: none"> • Small compact space for FTTH/FTTA • Drop joint
	MEDIUM MOUNTED JOINT (MMJ)	Capacity: 12 - 288	-	Small compact transition joint.
	LARGE MOUNTED JOINT (LMJ)	Capacity: 12 - 4032	-	High fibre count node/distribution joint.

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group; any modification or alteration afterwards of product may give different result. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.

Our complete selection of single-mode, multi-mode and specialty optical fibre cables have been designed, developed, manufactured and tested to meet even the most challenging of conditions. These, in combination with connectivity products constitute a complete range of solutions to address different customer needs. As topping we offer superior service, support and supply options.

Welcome to the Prysmian Sm@rt Solutions shop.

Key feature(s)	Constraints	Application
Conventional design, most users are familiar with it.	High bending radius.	Pit and pipe networks.
<ul style="list-style-type: none"> Based on conventional design but with smaller tubes & sheath. Versatile installation: hauled or blown. 	<ul style="list-style-type: none"> Limited to lower fibre counts. Higher tensile strength than FlexTube but less than Sm@rtcore. 	Lead-in cables, access networks.
Quicker to prepare.	<ul style="list-style-type: none"> Lower tensile strength. Lower crush resistance. 	<ul style="list-style-type: none"> Datacomms Short distance connections
<ul style="list-style-type: none"> Quick preparation, very flexible elements & easy to handle. Small diameter on high fibre counts when compared to LT or ribbon, easy to identify, terminate and store in joints. 	<ul style="list-style-type: none"> Expensive if low fibre count is required. Light green module is used instead of black (non-traditional colouring). 	High capacity access networks.
Ability to splice 12 fibres in one shot.	Cable is relatively large when compared to others above of the same fibre count.	Pit and pipe networks.
Proven rodent proof GRP technology.	Currently based on Sm@rtcore but considered for development in other forms.	Where rodents are active in rural or city locations.
<ul style="list-style-type: none"> High crush resistance and tensile rating. In house simulation testing. 	Currently only for low fibre counts.	Rural black soil regions.
<ul style="list-style-type: none"> Small, lightweight but strong. Can be tailored to specific customer requirements. 	Installation spans up to 1000 m.	Aerial installation (metropolitan or rural areas) in a variety of spans.
<ul style="list-style-type: none"> Available in any fibre count to meet customer needs. Designed for laying on the sea bed or buried below it. 	Most complex manufacturing process.	Harbour and river crossing.
<ul style="list-style-type: none"> Small diameter Quick preparation 	Complex manufacturing process.	<ul style="list-style-type: none"> High rise buildings Shopping centres
<ul style="list-style-type: none"> Small diameter Quick preparation 	Complex manufacturing process.	<ul style="list-style-type: none"> FTTH Rural rollout FTTA
<ul style="list-style-type: none"> High density mechanical seals Fibre storage for FlexTube modules Splitter bays 	Can only use specific cables (FlexTube).	<ul style="list-style-type: none"> Drop joint FFTH joint Aerial
<ul style="list-style-type: none"> High density mechanical seals Fibre storage Splitter bays 	-	<ul style="list-style-type: none"> Node joint FFTH joint Aerial
<ul style="list-style-type: none"> Two sets of vertical trays Highest capacity Loop capacity 	<ul style="list-style-type: none"> Mechanical dual port & single ports Splitter bays 	<ul style="list-style-type: none"> Fully loaded is very big and heavy. Oval port is max 22 mm.
		Large fibre count joint.

Linking the future

Prysmian Australia Pty Ltd

1 Heathcote Road, Liverpool 2170 NSW, Australia
Ph: 1300 300 304 Fx: 1300 300 307
E-mail: sales.au@prysmiangroup.com

www.prysmiancable.com.au

Prysmian New Zealand Ltd

30 Binsted Road, New Lynn 0600 Auckland, New Zealand
Ph: (09) 827 3109 Toll Free: 0800 492 225
E-mail: sales.nz@prysmiangroup.com

www.prysmiancable.co.nz



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