

TufLine Fairings

The unique, drag reducing fairing system that eliminates strumming and can be wrapped in multiple layers on winches.



- ❑ Drag reduction, 40% to 60% over bare cables or hairy fairings, increases tow vehicle depth or cable spread, decreases fuel consumption
- ❑ Eliminates strumming, increase cable or rope life
- ❑ Can be multi-layer stored/crushed on reels – reverts to foil shape when back in water
- ❑ Extremely durable, 3-ply material – folds around cable to create hydrodynamic profile, with internal “bridge” for airfoil shape retention under hydrodynamic forces
- ❑ Easy field installation on existing, terminated cables
- ❑ Proprietary King Fairing/ Anti Stacking Ring anchors fairing module segments to allow free-swiveling, alignment to flow
- ❑ Super strong, UV-resistant Spectra thread used to stitch-in high strength Velcro bridge, heavy-duty reinforcing at King Fairing-to-fairing module interface
- ❑ Hundreds of kilometers in service on seismic tow cables and ropes
- ❑ Available for any cable or rope diameter (see attached specification sheets)

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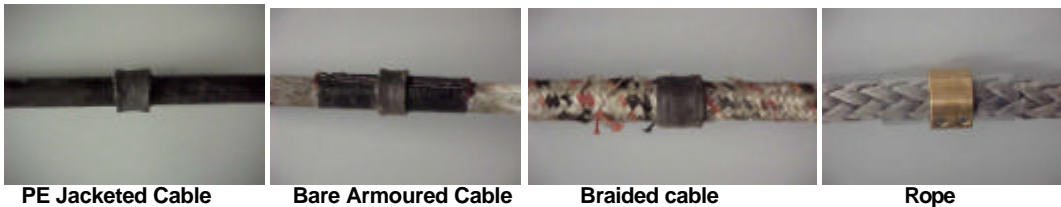
➤ Easy Installation

Designed for easy field installation. Installation can be performed by ODIM personnel, at leading cable manufacturers' facilities, or by the user. No need to slide fairings along cable for installation.

Install the ASR (Anti-Stacking Ring) followed by King Fairing, and then TufLine module. Complete installation aid tools and instructional video included.

1. ASR (Anti-Stacking Ring)

- ❑ ASR anchors securely to any type of cable or rope



2. King Fairing

- ❑ Install King Fairing over the ASR and secure (s.s. bolts/washers)
- ❑ Allows fairing module to “free-swivel” around the ASR when in the water.



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3. TufLine Fairing

- Install TufLine (s.s. rivet/washers using pneumatic rivet tool, pre-drilled holes along tail of fairing module)



Recommended Accessories

ODIM Spectrum's Fairing Uprighter – installs easily on an ODIM Spectrum Fairlead/Tow Block, and automatically uprights the fairing in a “tail up” orientation to prevent fairing damage.



TufLine running through Odim Fairlead Tow Block



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FAIRING SPECIFICATION SHEET

Rev. 0

all dimensions in millimetres

TufLine Fairing System (flexible fairing)

TUFLINE FAIRINGS FOR CABLE

Model No.	# of plys in material	Cable Diameter	Cable Outer Surface	Module length	Fairing width *	King Fairing p/n	ASR type	Heat shrink underlay
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COMMON SIZES, OTHER SIZES AVAILABLE UPON REQUEST

TL9	2	8-9	Bare or Jacket	5000	102	N/A	moulded	N/A
TL26	3	25-26	Bare	7500	254	68310001-0-0	moulded	Req'd
TL34	3	33-34	Bare	7500	254	61920112-0-2	moulded	Req'd
TL36	3	36-37	Sheath/Jacket	7500	254	61920112-0-2	moulded	Not Req'd
TL38	3	37-38	Bare	7500	254	66240001-0-1	moulded	Req'd
TL42	3	41-42	Sheath/Jacket	7500	305	66240001-0-1	moulded	Not Req'd
TL45	3	45-46	Bare	7500	305	64050001-0-1	moulded	Req'd
TL50	3	49-50	Sheath/Jacket	7500	356	64050001-0-1	moulded	Not Req'd
TL76	3	76	Bare or Jacket	5000	483	N/A	N/A	N/A

* Fairing width is measured in the flat position (prior to assembly)

Summary:

TufLine Fairing can be installed on terminated cables.
 TufLine can be wrapped in multiple layers on a winch drum under high tensions.
 TufLine comes in standard black colour, with the 2 ply belting being white in colour

Each fairing module includes; one King Fairing (and hardware), one Anti-Stacking Ring and one heat shrink assembly (required for bare amoured cables). With the exception of the TL9 and TL76 modules.

Installation kits along with complete installation instructions and video is included with order.

Pnematic rivet hammer tool and bits are extra.

TufLine has been in service, primarily on marine seismic exploration vessels, since 1997.

It can be used on rope, bare tow cables or wires, sheathed or braided cables.

Coefficient of Drag: approx. 0.50 - 0.70

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TUFLINE FAIRINGS FOR ROPES

Model No.	# of plys in material	Rope Diameter	Rope Outer Surface	Module length	Fairing width *	King Fairing p/n	ASR type	Heat shrink underlay
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COMMON SIZES, OTHER SIZES AVAILABLE UPON REQUEST

TL16	2	15-18	Rope	4991	191	61560003-1	Bronze 2-piece	n/a
TL26	3	24-28	Rope	4991	254	1360B503-4	Bronze 2-piece	n/a
TL32	3	30-32	Rope	4991	254	62200005-0	Bronze 2-piece	n/a
TL44	3	44	sheathed	4991	413	6008B503	Bronze 2-piece	n/a
TL50	3	50	Rope	4991	413	6008B503	Bronze 2-piece	n/a

Fairings for ropes:

The fairings listed are for cross tag/spreader ropes and vane tag lines. They are sold in kits that include shorter length fairings to cover the larger diameter splice on these ropes. When ordering please specify the diameter and length of rope you wish to fair (eg. 25mm dia. rope by 100m long from thimble eye to eye). Odim can also supply any type of rope including Spectra, Marlow, Dextron and Plasma.

The fairings are sewn using Spectra thread with and internal velcro or dacron bridge

Coefficient of Drag: approx. 0.70

* Fairing width is measured in the flat position (prior to assembly)

For additional information, contact:

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