

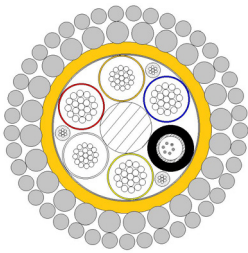
## Deep ocean research umbilicals

Fibron has a strong history of supplying steel armoured electro-optic umbilicals for deep ocean research to some of the leading organisations in this field.

As experts in this sector, Fibron have developed superior armouring technology, along with the ability to transmit high voltage power and signal in smaller diameter, dynamic packages. Fibron have supplied continuous lengths of these types of umbilical in excess of 10,000m.

These solutions have been successfully and independently tested, giving reassurance that Fibron's deep ocean research umbilicals will perform reliably in even in the deepest, harshest environments.

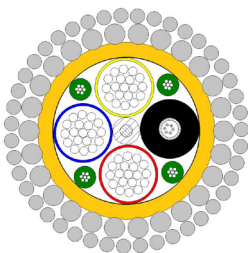
RM0026	
Finished diameter	19.1mm
Weight in air	1,260kg/km
Weight in seawater	960kg/km
Minimum dynamic bend radius	260mm
Minimum breaking load	200kN



**Contents**

- 2 x 2.5mm<sup>2</sup> conductors
- 3 x 4mm<sup>2</sup> conductors
- 1 x 5 SM + 1 MM FIST unit

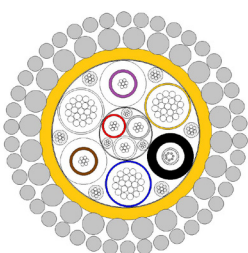
RM0047	
Finished diameter	19.7mm
Weight in air	1,303kg/km
Weight in seawater	990kg/km
Minimum dynamic bend radius	394mm
Minimum breaking load	217kN



**Contents**

- 3 x 8mm<sup>2</sup> conductors
- 1 x 5 SM + 4 MM FIST unit
- 4 x 0.5mm<sup>2</sup> earth conductors

RM0069	
Finished diameter	28.5mm
Weight in air	2,750kg/km
Weight in seawater	2,050kg/km
Minimum dynamic bend radius	570mm
Minimum breaking load	431kN



**Contents**

- 5 x 0.92mm<sup>2</sup> conductors
- 3 x 8.4mm<sup>2</sup> conductors
- 1 x 7 SM FIST unit