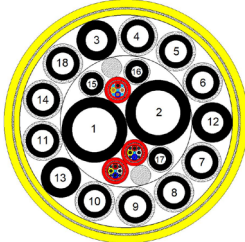


## IWOCS umbilicals

Intervention Work Over Control System (IWOCS) umbilicals are reinforced with high-strength fibres to maximise flexibility and minimise weight. They are ideal for applications where the vessel or rig footprints and weight restrictions require special winch or reeler handling systems with specific safe working loads, handling sheaves and heave compensation.

IWOCS umbilicals can be terminated to subsea stab-plates to easily interface with the subsea equipment during well intervention activities. Fibron can also offer turnkey solutions including reeler systems, deck jumpers and HPU's if required.

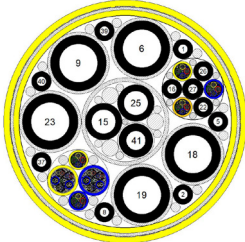
OEH0117	
Finished diameter	138mm
Weight in air	18,000kg/km
Weight in seawater	5,500kg/km
Minimum dynamic bend radius	1,400mm
Minimum breaking load	100kN



**Contents**

- 3 x 1/4" 690 bar hoses
- 10 x 1/2" 345 bar hoses
- 3 x 1/2" 690 bar hoses (1 x chemical)
- 2 x 1" 690 bar hoses
- 12 x 2.5mm<sup>2</sup> conductor

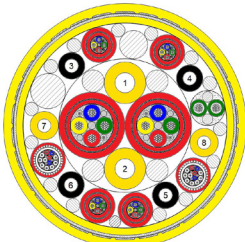
OEH0246	
Finished diameter	161mm
Weight in air	27,390kg/km
Weight in seawater	9,730kg/km
Minimum dynamic bend radius	1,650mm
Minimum breaking load	300kN



**Contents**

- 11 x 1/4" 690 bar chemical hoses
- 1 x 1/2" 690 bar chemical hose
- 2 x 5/8" 345 bar hoses
- 5 x 1" 690 bar hoses (hydraulic/chemical)
- 12 x 1.34mm<sup>2</sup> conductors
- 12 x 2.5mm<sup>2</sup> conductors
- 20 x 6mm<sup>2</sup> conductors,
- 6 x 3 SM FIST units

OEH0227	
Finished diameter	117mm
Weight in air	13,150kg/km
Weight in seawater	3,965kg/km
Minimum dynamic bend radius	1,600mm
Minimum breaking load	100kN



**Contents**

- 2 x 3/8" 1,035 bar hoses
- 4 x 1/4" 690 bar hoses
- 2 x 1/4" 1,035 bar hoses
- 8 x 10mm<sup>2</sup> power cores
- 2 x 10mm<sup>2</sup> earth cores
- 16 x 2.5mm<sup>2</sup> power cores
- 24 x 0.82mm<sup>2</sup> cores