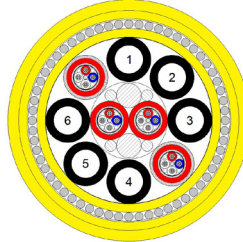


## PLEM-to-buoy umbilicals

Fibron produce a range of Pipeline End Manifold (PLEM) to Buoy umbilicals specifically designed and manufactured with bespoke Topside and Subsea Umbilical Termination Units (TUTU and SUTU). These umbilicals are used to activate the power and control systems during the transfer of fluids between the subsea pipeline and the tanker.

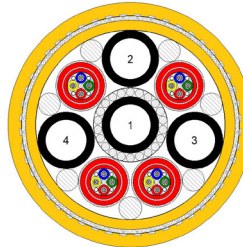
OEH0126	
Finished diameter	84mm
Weight in air	9,550kg/km
Weight in seawater	4,250kg/km
Minimum dynamic bend radius	985mm
Minimum breaking load	200kN



### Contents

- 6 x 3/8" 345 bar hoses
- 16 x 2.5mm<sup>2</sup> conductor

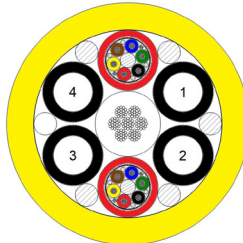
OEH0231	
Finished diameter	77mm
Weight in air	5,460kg/km
Weight in seawater	1,120kg/km
Minimum dynamic bend radius	1,200mm
Minimum breaking load	150kN



### Contents

- 4 x 1/2" 207 bar hoses
- 16 x 2.5mm<sup>2</sup> conductors,
- Flame retardant sheath

OEH0250	
Finished diameter	62mm
Weight in air	3,520kg/km
Weight in seawater	670kg/km
Minimum dynamic bend radius	750mm
Minimum breaking load	50kN



### Contents

- 4 x 3/8" 345 bar hoses
- 12 x 1.5mm<sup>2</sup> power cores