

# FIBROLINE AIR DIVE UMBILICAL



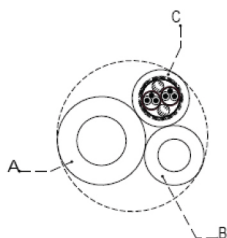
# SYNERGY

INNOVATIVE DIVING EQUIPMENT TRADING LLC

INSPIRING • ENGINEERING • INNOVATION

## Fibroline Air Dive Umbilical

DSUS001



- A. Fibroline 3/8" Gas hose – FBL06G (Blue)
- B. Fibroline 1/4" Pneumo hose – FBL04P (Yellow)
- C. Comms Cable – DCS0001 (Red)

## Weights, dimensions & mechanical characteristics

Outside diameter	30 mm
Weight in air	480 g/km
Weight in sea water (Assuming sea water density = 1,026 kg/m <sup>3</sup> )	-45 g/km
Minimum bend radius (static)	200 mm
Minimum bend radius (dynamic)	300 mm
Minimum break strength*	N/A

\*The standard Comms Cable DCS0001 includes an integral polyester strength braid. The inherent strength of the hose braids and the comms line allows emergency recovery of a diver. A traditional safety line/rope is therefore not required.

## Fibroline Hose

- Polyether based polyurethane liner - food grade.
- 1 layer braided (full cover) adhesive impregnated polyester fibre reinforcement
- Overall thick polyurethane extruded cover (Smooth)

	<b>FBL04P</b>	<b>FBL06G</b>
Max. working pressure	500 psi / 35 bar	500 psi / 35 bar
Min. burst pressure	2,500 psi / 172 bar	4,000 psi / 276 bar
Nominal bore	1/4" / 6.35mm	3/8" / 9.53mm
Outside diameter	12.50mm	18.50mm
Weight in air	101kg/km	227kg/km
Weight in sea	-25kg/km	-49kg/km
Min. bend radius (operational)	82mm	121mm
Colour	Yellow	Blue

## Comms Cable – DCS 0001

0.5mm<sup>2</sup> STP

Conductor resistance @ 20°C	41.5 Ω/Km (maximum)
Resistance (core – core)	500 MΩ/Km (minimum)
Resistance (core – screen)	250 MΩ/Km (minimum)
Operating voltage	500 V (maximum)



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