

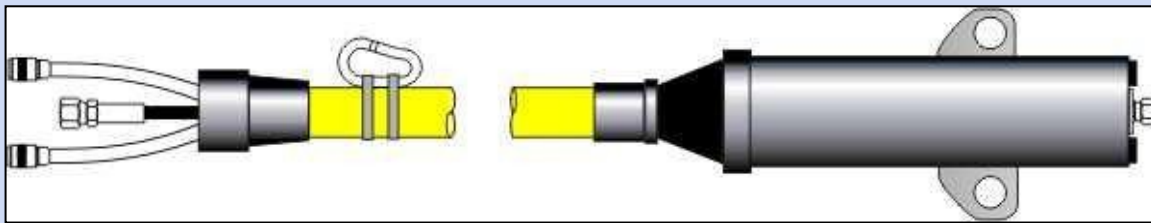
# Umbilical

Link between on-board source controller and air gun array

## DigiSHOT UMBILICAL DESIGN CONCEPT

ION's business philosophy is to continually improve our products and create new innovative solutions for the seismic industry.

DigiSHOT® umbilicals offer the flexibility, strength, dependability and reduced towing drag required by current seismic acquisition requirements.



## FEATURES AND BENEFITS

Umbilicals (commonly referred to as hose bundles) contain the air supply, power, communications link and towing mechanism between the on-board source controller and the air gun arrays.

DigiSHOT umbilicals are offered in lengths up to 1,000 meters, air hose typically 2.54 cm and total exterior diameters of less than 7 cm between the terminations.

- Superior water blocking
  - Up to two years of proven field work with no re-termination
- Lightweight, 2.54 cm diameter hose, cable less than 7 cm
  - Small diameter for easier towing and lower drag in wide arrays
- Flexible bundle configurations
- Yellow color for high visibility under tow

## Specifications

### Digital Version

Available length	up to 1,000 m
Umbilical diameter	6.55 cm
Air hose diameter	2.54 cm
Working pressure	207 bars
Displacement	
In water	1.15 kg/m
In air	4.45 kg/m
Minimum break strength	280 KN
Minimum bend radius	60 cm storage, 81 cm operating
Reel end connections	SU-16M x 2
Wet end connections	SU-16F x 2 SU-8F x 2
Outer Jacket	HDPE

### Order Information

Full redundancy up to 350 meters	AL3300-104
Ancillary redundancy greater than 350 meters and up to 500 meters	AL3300-201
No redundancy > 500 meters	
Repair Kit – Head End	AL6500-097H
Repair Kit – Tail End	AL6500-097T
Slip Ring	AL5650648 16 channel, AL8000-1383 32 channel
Reduced Diameter	AL8000-1755 32 channel