



UNIVERSAL QUICK JOINT

The wisdom of Universal Jointing of fibre optic cable became clear more than a decade ago. At the time the global submarine cable industry was working with a wide variety of cable types, each one particular to its respective manufacturer, and often on incompatible with those of other manufacturers.

UQJ

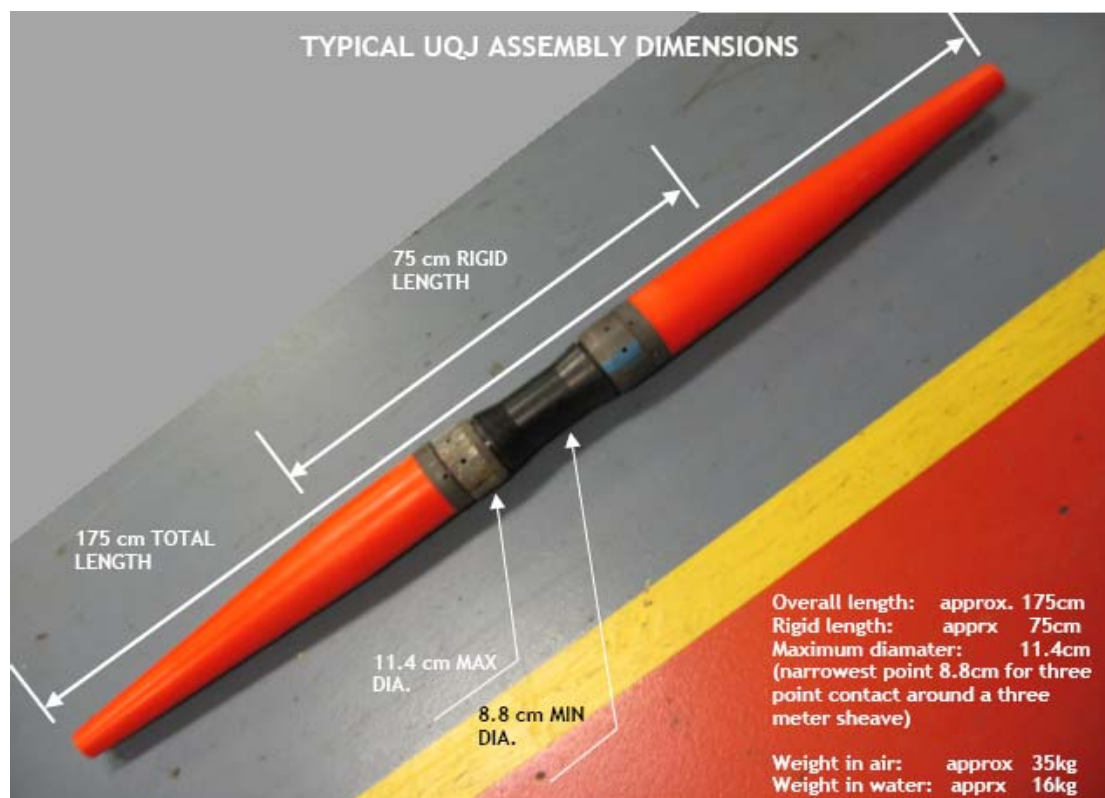
The evolution of smaller diameter non-repeated cables resulted in a number of suppliers developing non-repeated cable jointing technologies. This meant that cable owners needed to procure and hold different sets of tools and piece parts for each supplier's cables.

It was clear that an equally economical, yet universal approach to joining non-repeated cables for installation and maintenance was required.

Using the same principles developed for the Universal Joint (UJ) the Universal Joint Consortium (UJC) developed a jointing solution for the unrepeated cable market.

This jointing technology, called the 'Universal Quick Joint (UQJ)' has been designed to be compatible with known and anticipated non-repeated cable designs.

The UQJ allows cable owners to reduce the quantity and cost of tools and significantly reduces jointing time, typically half the time of repeater joint technologies



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Benefits of a Universal Jointing Solution

SIMPLIFIED DESIGN -

- Quick jointing times (6 hours for a 12 fibre lightweight cable)
- Less than three weeks initial training. One week upgrade for UJ trained jointers
- Existing UJ tool kits can be upgraded for UQJ capability
- Tested to the same internationally recognised standards developed for UJ

OUTLINE TECHNICAL SPECIFICATION OF UQJ

- 72mm outside diameter and an approximate rigid length of 75cm
- Minimum bend radius 0.75m
- Can be handled by conventional cable machinery or non-repeated cable installation and maintenance spreads
- Design for 25 year service life
- 6000m deployment depth (tested to 8000m)
- Bespoke insulation restoration technology (does not require injection moulding and X-ray inspection equipment)

