

Maximum length of a single length offshore umbilical

The limit to the maximum umbilical length that can be installed in a single length depends on the maximum weight & volume of the umbilical that can be accommodated by the installation vessel. The number of functions (tubes & cables) is an important determinant of the weight & volume per unit length and thus of the maximum umbilical length achievable.

The installation payload of the latest generation of marine construction vessels, equipped either with reels or hull or deck carousels, continually increases. There are currently several examples of projects that use longer umbilicals than the Corrib umbilical, for example the Snohvit project in Norway. The current maximum length for an umbilical with comparable Corrib functionality is estimated to be approximately 150 km.