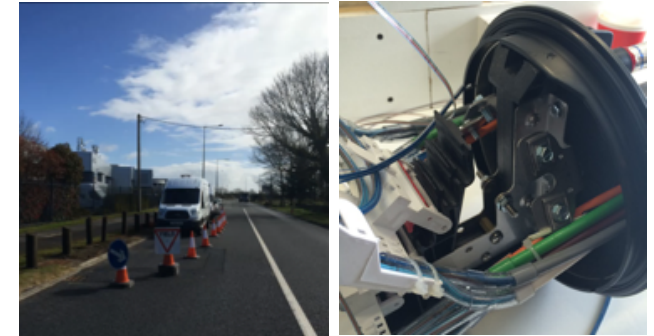


Location: Dublin City  
Premises network: 864f Multi Loose  
Tube Fiber optic Ribbon  
Contractor: Total Splicing Solutions



### Infrastructure projects in Irish Market

In the last decade Europe's largest datacenters have been established in the Republic of Ireland. LGCE partner Total splicing Systems designed a topology to link several of these datacenters based upon the application of a special type of fiber, the Ribbon Fiber.

The biggest design challenge was to build a network with an extremely high density of fibers with the condition that all fibers should still be easy and safe to splice, without any concessions to the FO-properties.

Eventually the choice for the 864f MLT ribbon fiber was made, a Multi Loose Tube cable with six tubes each containing 144 fibers. The 12 fibers within a single Ribbon fiber can be spliced simultaneously with excellent splice-loss values and reducing splicing time over 500%.

As the first project was realized to full satisfaction of both the contractor TSS as well as the end-user, successively other datacenters were connected in a similar way, applying the LGCE 864f Ribbon MLT FO-cable.

“*Mr. Ian Coughlan, CEO of Total Splicing Solutions Dublin says that the application of Ribbon fiber not only reduces splicing time but also reduces the required installation space due to the modern design of this Ribbon fiber.*