

# Technical Note

## The use of E-Glass Strength Member within Tight Buffered Fibre Cables



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Excel recently made the decision to move to the use of E-Glass as a strength member in the construction of its Tight Buffered Multimode Cables.

The key reasons for this are as follows:

- It is deemed to be 'swellable' which means that it expands at the first sign of moisture and forms an effective water blocking barrier, providing Longitudinal Water Tightness not achievable with Aramid yarn
- Being a form of glass it provides a 'Standard' Rodent Protection, which not present with Aramid yarn

E-Glass achieves these additional benefits whilst providing comparable strength member properties without incurring additional cost.

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*This Technical Note has been produced by Paul Cave, Technical Manager – Infrastructure, on behalf of Excel*

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