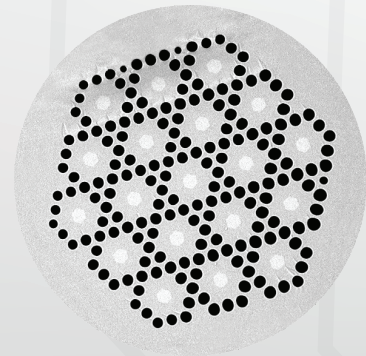
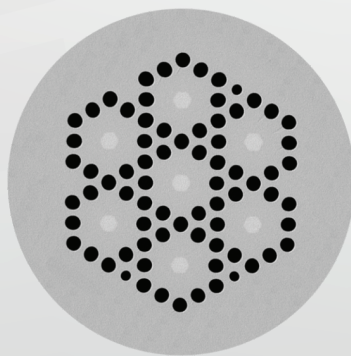




Next-gen backward-compatible **multicore fiber**
with unprecedented bandwidth within the standard
physical envelope



FEATURES

Increased link capacity provided by several individual cores enabling Spatial Division Multiplexing within the standard fiber outer diameter

Compatible with existing interfaces due to **ITU-T G.652 & G.657.B3 (bend-loss) compliance**

Unique internal design to avoid **crosstalk** and provide **bend-immunity**

High space-efficiency, featuring **more physical channels per cm²**

Lower energy consumption and lower operational costs

Complete solution available with ready fan-in/fan-out connectors to network installations

Available in **specialty metalized coatings** for resilience to hazardous environments

Special core composition available to enable active and/or radiation hardened multicore fibers



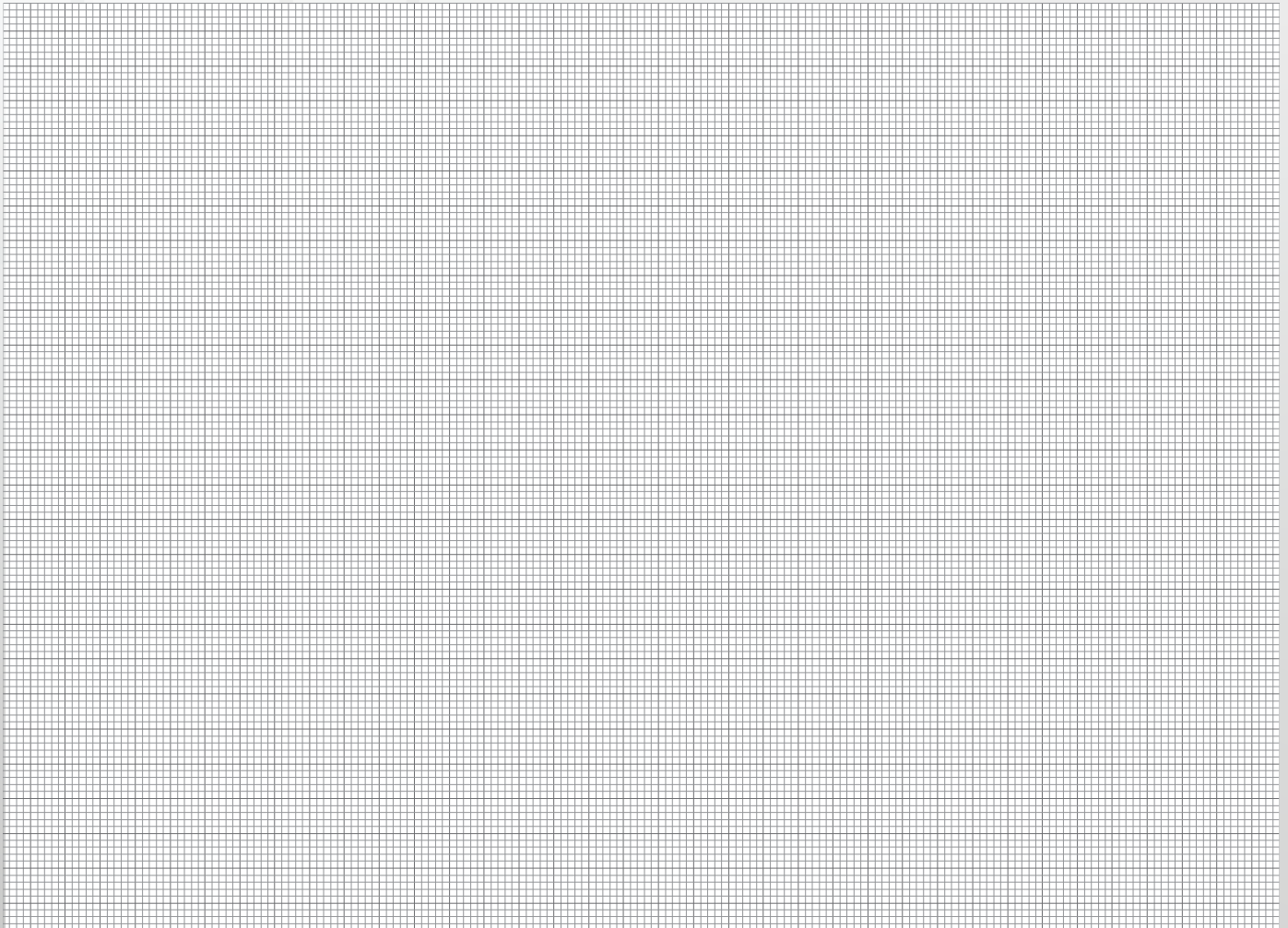
SPECS

- Fiber type: Single-mode
- Network standards: ITU-T G.652
- Cross-talk: -40 dB for 1550 nm
- Bend loss: <0.1 dB (better than ITU-T G.657.B3)



APPLICATIONS

- 5G network infrastructure – increased bandwidth within a single fiber
- Modernization of the existing dense network infrastructure – more network capacity within the already limited space
- Data Centers – improved airflow & thermal management thanks to the cabling reduction
- Industry 4.0 information networks – higher bandwidth in a single fiber, ready for harsh environment applications
- Aviation – reduction of cabling with multiple cores within one fiber
- Space – payload and space reduction with space-hardened multicore fibers; active fiber amplifiers



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