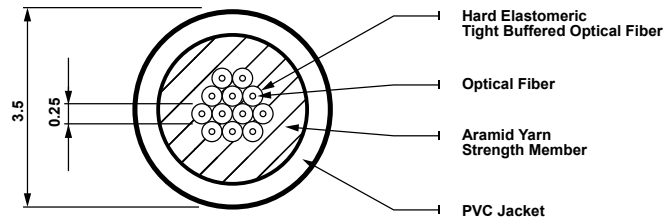




# Cable Datasheet

## opticalCON® MTP® LITE



### Technical Data Cables

|                           |                   |                   |                                |            |
|---------------------------|-------------------|-------------------|--------------------------------|------------|
| Number of Fibers          | 12                | 12                |                                |            |
| Fiber Type                | multimode         | single-mode       |                                |            |
| Fiber standard            | OM3               | G.657A            |                                |            |
| Core Diameter             | 50 µm             | 9 µm              |                                |            |
| Cladding Diameter         | 125 µm            | 125 µm            |                                |            |
| Coating Diameter          | 242 µm            | 250 µm            |                                |            |
| Numerical Aperture        | 0.20              | -                 |                                |            |
| Proof Test Level          | 200 kpsi          | 100 kpsi          |                                |            |
| Wavelength                | 850 nm            | 1300 nm           | 1310 nm                        | 1550 nm    |
| Gigabit Ethernet Distance | 1000 m            | 550 m             | -                              | -          |
| Attenuation               | 2.5 dB/km         | 0.7 dB/km         | 0.36 dB/km                     | 0.22 dB/km |
| Bandwidth                 | 1500 MHz-km       | 500 MHz-km        | -                              | -          |
| Nominal Dispersion Slope  | -                 | -                 | 0.092 ps/(nm <sup>2</sup> -km) | -          |
| Refraction index          | 1.483             | 1.479             | 1.467                          | 1.47       |
| Cable Surface             | Black Matt        | Black Matt        |                                |            |
| Jacket material           | Polyvinylchloride | Polyvinylchloride |                                |            |
| Cable Weight              | 12.6 kg/km        | 12.6 kg/km        |                                |            |
| Cable Diameter            | 3.5 mm            | 3.5 mm            |                                |            |
| Installation (static):    |                   |                   |                                |            |
| Max. Tensile Load         | 400 N             | 400 N             |                                |            |
| Min. Bend Radius          | 45 mm             | 45 mm             |                                |            |
| Operation (dynamic):      |                   |                   |                                |            |
| Max. Tensile Load         | 400 N             | 400 N             |                                |            |
| Min. Bend Radius          | 30 mm             | 30 mm             |                                |            |
| Impact Resistance         | -                 | -                 |                                |            |
| Crush Resistance          | 500 N/cm          | 500 N/cm          |                                |            |
| Number of Conductors      | -                 | -                 |                                |            |
| Nominal Core OD           | -                 | -                 |                                |            |
| Conductor resistance      | -                 | -                 |                                |            |
| Operation Temperature     | -40°C to +85°C    | -40°C to +85°C    |                                |            |
| Storage Temperature       | -20°C to +70°C    | -20°C to +70°C    |                                |            |
| Bend optimized            | Yes               | Yes               |                                |            |
| Laser optimized           | Yes               | No                |                                |            |

Data subject to change without prior notice. © 2017 NEUTRIK®. NEUTRIK® are registered trademarks of NEUTRIK AG. ALL RIGHTS RESERVED.