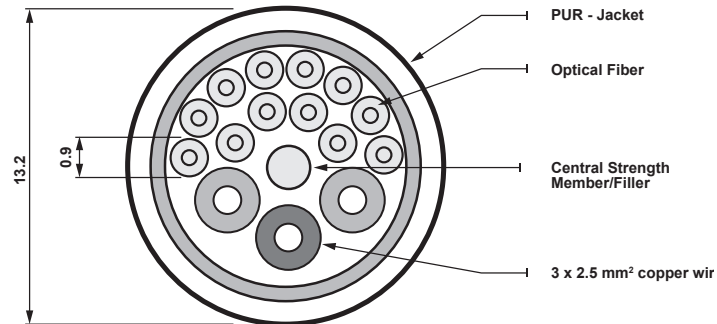




Cable Datasheet

opticalCON® POWER SPLIT 2.5 mm²



Technical Data Cables

| | | | | |
|-------------------------------|-------------------------|-------------------------|--------------------------------|------------|
| Number of Fibers | 12 | 12 | | |
| Fiber Type | Multimode | Single-mode | | |
| Fiber standard | OM3 | G657A2/B2 | | |
| Core Diameter | 50 µm | 9 µm | | |
| Cladding Diameter | 125 µm | 125 µm | | |
| Primary Coating Diameter | 242 µm | 245 µm | | |
| Secondary Buffer Diameter | - | - | | |
| Numerical Aperture | - | - | | |
| Proof Test Level | - | 100 kpsi | | |
| Wavelength | 850 nm | 1300 nm | 1310 nm | 1550 nm |
| Gigabit Ethernet Distance | 1000 m | 550 m | - | - |
| Attenuation | 2.5 dB/km | 0.6 dB/km | 0.38 dB/km | 0.28 dB/km |
| Bandwidth | 1500 MHz-km | 500 MHz-km | - | - |
| Nominal Dispersion Slope | - | - | 0.092 ps/(nm ² -km) | - |
| Refraction index | 1.480 | 1.479 | 1.467 | 1.468 |
| Cable Surface | Black Matt | Black Matt | | |
| Jacket material | Polyurethane | Polyurethane | | |
| Cable Weight | 220 kg/km | 220 kg/km | | |
| Cable Diameter | 13.2 mm | 13.2 mm | | |
| Installation (static): | | | | |
| Max. Tensile Load | 400 N | 400 N | | |
| Min. Bend Radius | 198 mm | 198 mm | | |
| Operation (dynamic): | | | | |
| Max. Tensile Load | 400 N | 400 N | | |
| Min. Bend Radius | 264 mm | 264 mm | | |
| Impact Resistance | - | - | | |
| Crush Resistance | - | - | | |
| Number of Conductors | 3 | 3 | | |
| Nominal Core OD | 3 x 2.5 mm ² | 3 x 2.5 mm ² | | |
| Conductor resistance at 20° C | 7.95 Ω/km | 7.95 Ω/km | 7.95 Ω/km | 7.95 Ω/km |
| 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 | | |

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