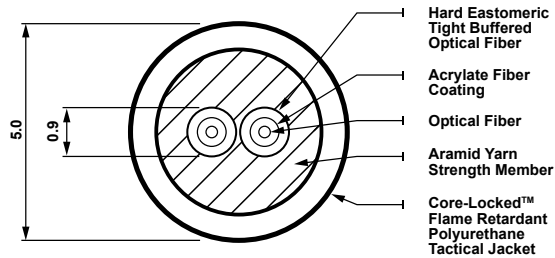




Cable Datasheet

opticalCON[®] DUO ADVANCED



Technical Data Cables

| | | | | |
|---------------------------|-----------------------------------|-----------------------------------|--------------------------------|----------|
| Number of Fibers | 2 | 2 | | |
| Fiber Type | Multimode | Single-mode | | |
| Fiber standard | OM3 | G.657A1 | | |
| Core Diameter | 50 µm | 9 µm | | |
| Cladding Diameter | 125 µm | 125 µm | | |
| Primary Coating Diameter | 245 µm | 245 µm | | |
| Secondary Buffer Diameter | 900 µm | 900 µm | | |
| Numerical Aperture | 0.20 | - | | |
| Proof Test Level | 100 kpsi | 100 kpsi | | |
| Wavelength | 850 nm | 1310 nm | 1310 nm | 1550 nm |
| Gigabit Ethernet Distance | 1000 m | 600 m | - | - |
| Attenuation | 3.5 dB/km | 1.5 dB/km | 0.5 dB/km | 0.5dB/km |
| Bandwidth | 2000 MHz-km | 500 MHz-km | - | - |
| Nominal Dispersion Slope | - | - | 0.092 ps/(nm ² -km) | - |
| Refraction index | 1.483 | 1.479 | 1.458 | 1.458 |
| Cable Surface | V – jacket (Grey matt) | V – jacket (Grey matt) | | |
| Jacket material | Polyurethane | Polyurethane | | |
| Cable Weight | 21 kg/km | 23 kg/km | | |
| Cable Diameter | 5 mm | 5 mm | | |
| Installation (static): | | | | |
| Max. Tensile Load | 600 N, short term | 600 N, short term | | |
| Min. Bend Radius | 80 mm | 80 mm | | |
| Operation (dynamic): | | | | |
| Max. Tensile Load | 700 N, short term | 700 N, short term | | |
| Min. Bend Radius | 40 mm | 40 mm | | |
| Impact Resistance | 1500 impacts (EIA-455-25A) | 1500 impacts (EIA/TIA-455-25A) | | |
| Crush Resistance | 180 N/cm (BA-455-41A), short term | 180 N/cm (BA-455-41A), short term | | |
| Number of Conductors | - | - | | |
| Nominal Core OD | - | - | | |
| Conductor resistance | - | - | | |
| Operation Temperature | -40°C to +71°C | -40°C to +71°C | | |
| Storage Temperature | -55°C to +85°C | -55°C to +85°C | | |
| Bend optimized | Yes | Yes | | |
| Laser optimized | Yes | No | | |