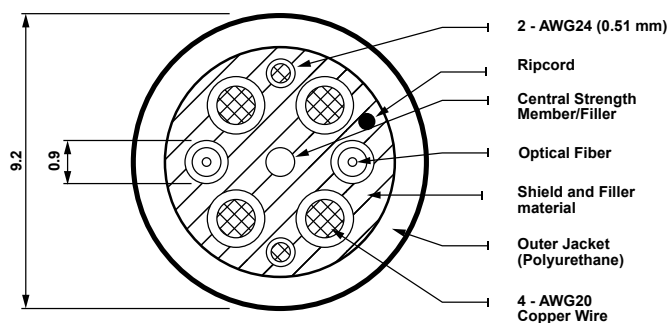




# Cable Datasheet

## opticalCON<sup>®</sup> DUO ADVANCED SMPTE



### Technical Data Cables

|                            |                                |                      |
|----------------------------|--------------------------------|----------------------|
| Number of Fibers           | 2                              |                      |
| Fiber Type                 | Single-mode                    |                      |
| Fiber standard             | G.657A1                        |                      |
| Core Diameter              | 9.5 µm                         |                      |
| Cladding Diameter          | 125 µm                         |                      |
| Primary Coating Diameter   | 245 µm                         |                      |
| Fiber Buffer tube Diameter | 900 µm                         |                      |
| Numerical Aperture         | -                              |                      |
| Proof Test Level           | 100 kpsi                       |                      |
| Wavelength                 | 1310 nm                        | 1550 nm              |
| Gigabit Ethernet Distance  | -                              |                      |
| Attenuation                | 0.5 dB/km                      | 0.5 dB/km            |
| Bandwidth                  | -                              |                      |
| Nominal Dispersion Slope   | 0.092 ps/(nm <sup>2</sup> -km) |                      |
| Refraction index           | 1.468                          | 1.468                |
| Cable Surface              | Black Matt                     |                      |
| Jacket material            | Polyurethane                   |                      |
| Cable Weight               | 120 kg/km                      |                      |
| Cable Diameter             | 9.2 mm                         |                      |
| Installation:              |                                |                      |
| Max. Tensile Load          | 700 N                          |                      |
| Min. Bend Radius           | 92 mm                          |                      |
| Operation:                 |                                |                      |
| Max. Tensile Load          | 700 N                          |                      |
| Min. Bend Radius           | 92 mm                          |                      |
| Impact Resistance          | -                              |                      |
| Crush Resistance           | -                              |                      |
| Number of Conductors       | 6                              |                      |
| Nominal Core OD            | 4 x AWG 20 (Power)             | 2 x AWG 24 (Control) |
| Conductor resistance       | 37.5 Ω/km                      | 113 Ω/km             |
| Operation Temperature      | -40°C to +75°C                 |                      |
| Storage Temperature        | -55°C to +85°C                 |                      |
| Bend optimized             | Yes                            |                      |
| Laser optimized            | No                             |                      |