

fibresales Fibre Optic ODVA IP67 Adaptors



ODVA IP67 Adaptors and Receptacles

Are designed to provide secure, robust connections in harsh outdoor environments. These IP67-rated adaptors and receptacles ensure protection against dust, water, and mechanical stress, making them ideal for applications in fibre optic networks that require reliable performance under extreme conditions. Featuring SC, LC Duplex adaptors or MPO adaptors, they deliver high-density connectivity while maintaining environmental sealing.

Applications:

- ▽ Outdoor Fiber Optic Networks: Designed for outdoor installations in telecom, Broadband, and data networks requiring environmental protection.
- ▽ FTTH and FTTN Installations: Ideal for fibre-to-the-home (FTTH) and fibre-to-the-premises (FTTP) deployments in outdoor settings.
- ▽ Industrial Automation: Suitable for industrial environments where dust, water, and vibration resistance are crucial.
- ▽ Military and Aerospace: Deployed in defence applications where reliability in harsh environments is essential.

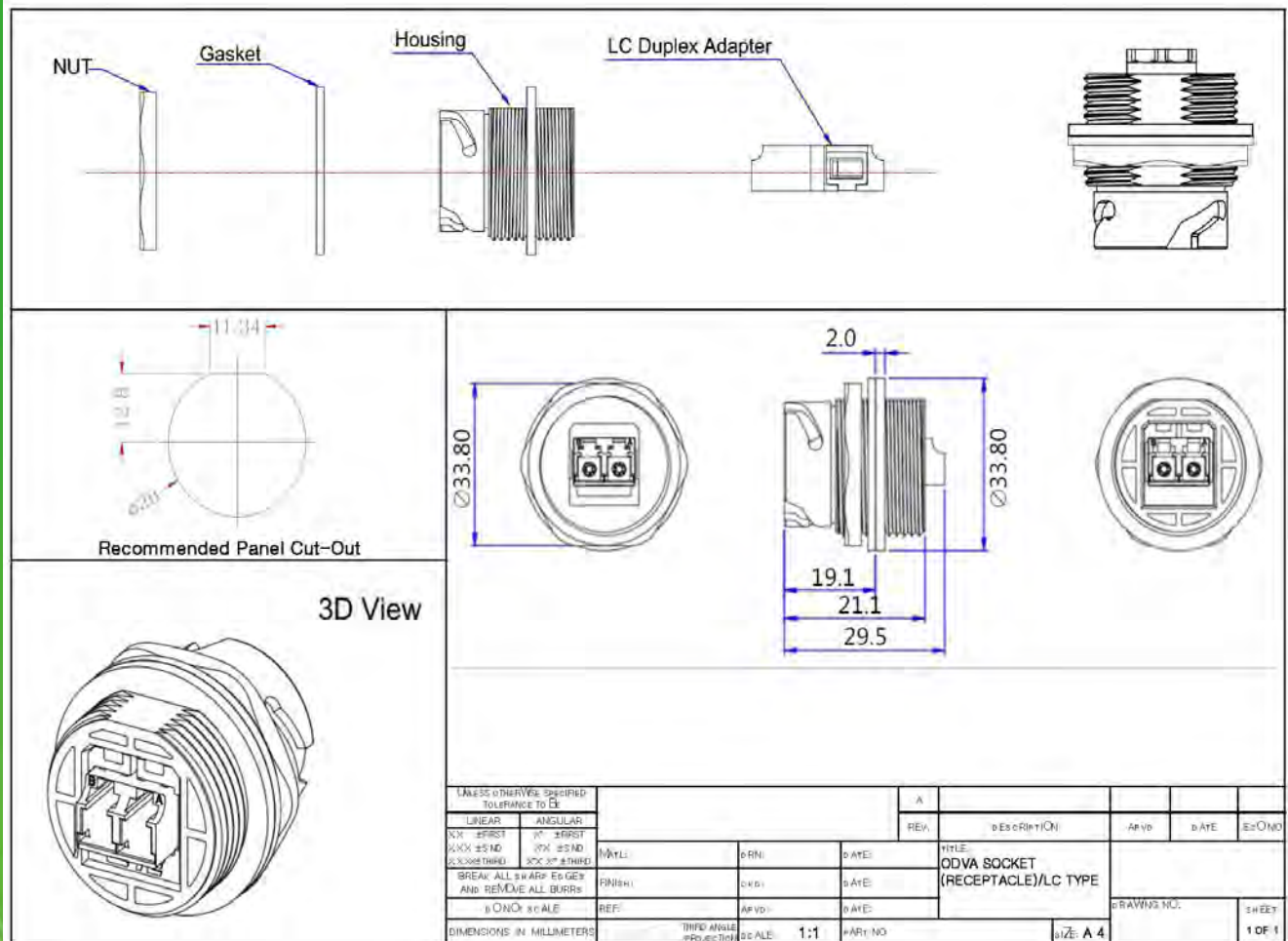
Features:

- ▽ IP67-Rated Protection: Ensures reliable performance in harsh outdoor environments by protecting against water, dust, and debris.
- ▽ High-Density Connectivity: Supports SC, LC duplex or MPO/MTP connections, providing compact and space-saving solutions for fibre optic installations.
- ▽ Rugged Construction: The thermoplastic housing is UV-resistant and built to withstand mechanical impact and environmental exposure.
- ▽ Low Insertion Loss: Ensures superior signal integrity with insertion loss values of ≤ 0.20 dB, ideal for high-performance networks.
- ▽ Secure Mating: Provides robust and secure locking to prevent accidental disconnection, even in high-vibration settings.
- ▽ Wide Temperature Range: Suitable for deployment in extreme temperature conditions, from -40°C to $+85^{\circ}\text{C}$.

Technical Specifications

- Connector Type: SC, LC Duplex or MTP/MPO
- IP Rating: IP67 (Dustproof and waterproof)
- Housing Material: Thermoplastic with UV resistance
- Insertion Loss: ≤ 0.20 dB typical
- Return Loss: ≥ 50 dB (UPC); ≥ 60 dB (APC)
- Operating Temperature: -40°C to $+85^{\circ}\text{C}$
- Vibration Resistance: IEC 61300-2-1
- RoHS Compliant: Yes
- Flammability Rating: UL94-V0

Technical Drawing



Ordering Code:

ODVA/LC - ODVA IP67 LC
 ODVA/SC - ODVA IP67 SC
 ODVA/MTP - ODVA IP67 MTP
 ODVS/MPO - ODVA IP67 MPO

