

INDUSTRIAL FIBER OPTICS



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SMA/SMA (SERCOS) SERIES II POF Patch Cords, 1.00 m SMA 905 connectors, 1.0 mm core, chemical-resistant 2.2 mm jacket



Industrial Fiber Optics manufactures multiple product lines of premium quality fiber optic patch cords suitable for SERCOS networking and other industrial networking applications. This particular cable series is for short distance applications such as those inside cabinets, those that require moderate tensile strength and others which must withstand moderate physical abuse and/or exposure to chemicals. These cables are more resistant to chemicals and have higher tensile strength than the IF 636 series cables. Patch cord consists of a fiber cable with industry-standard 1.0 mm optical core surrounded by a polyamide jacket with all stainless steel SMA 905 connectors. Equivalent to Allen Bradley 2090-SCNP and the Bosch Rexroth IKO0982 series. Available to all customers and OEM manufacturing companies as a direct purchase item.

Stock No: **IF 637-1-0**



Features

- Polyamide 12 jacket for chemical resistance and cable strength
- Strain reliefs to minimize fiber stress at terminations
- 1 µm polish terminations ensure high optical coupling efficiency
- Epoxied connector terminations for maximum retention strength
- Assembly processes exceed industry-standard procedures

Specifications

| | |
|-------------|-------------------------|
| Fiber Cable | GHN4001 |
| Connector 1 | SMA 905 |
| Connector 2 | SMA 905 stainless |

RoHS Compliance **YES**

| | Unit | Value |
|------------------------------|------|-------------------|
| Length | m | 1.00 +/-0.05 |
| Loss Typical (per term.) | dB | 2.5 |
| Loss Maximum (per term.) | dB | 3.5 |
| Optical Loss | dB/m | .17 Max. @ 650 nm |
| Operating Temperature | ° C | -55 ~ 85 |
| Storage Temperature | ° C | -55 ~ 85 |
| Fiber Tensile Strength | N | |