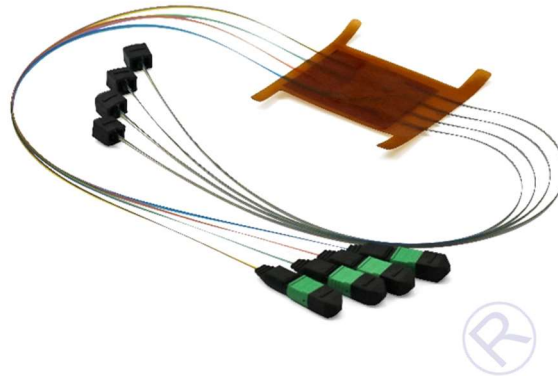


# Optical Fiber Flex Circuit

## 1、 Picture



## 2、 Description

The optical fiber flex circuit is created from custom design files and parameters to route the fiber network in a compact and efficient manner. The use of rugged materials, provide reliable protection to the optical fiber, satisfying the rugged demands and rugged Industrial applications. Supported fiber types include single-mode, multi-mode or specialty fiber, such as Rad-Hard or Bend-Insensitive. Flex circuit designs may be as simple as a few fibers or as complex as hundreds of fiber nets.

## 3、 Features

- Custom routed flexible fiber circuit, improves fiber management
- Simplifies system architecture, save space and improve airflow around temperature sensitive components
- Controlled bend radius, minimizes bend loss
- Flame resistant substrate (VO rated), Durable and Reliable
- Reduced installation times and errors, cost savings
- Supports all industry standard termination

## 4、 Application

- Optical backplane interconnection
- High-density fiber management
- Complex fiber circuit routes in minimal space
- Optical Cross-Connects

- Intra-rack installation

## 5. Specification

Optical Fiber Nominal OD	250 $\mu$ m
Minimum Fiber to Fiber Spacing	250 $\mu$ m
Circuit Thickness	0.6 mm
Maximum Circuit Dimensions	500x500 mm
Matched Length Tolerance	$\pm$ 4 mm
Maximum Insertion Loss	< 0.1dB (before connectorized)
Operation temperature	-40 ~ +85°C
Storage Temperature	-55 ~ +125°C