



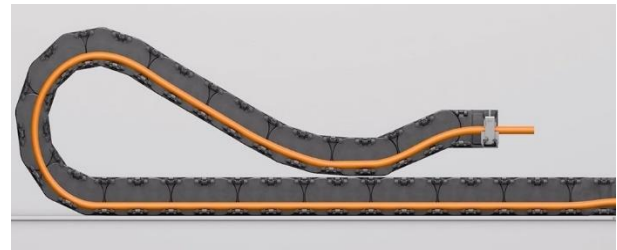
## Fiber Optical OM3 5.0mm Round Duplex Energy Chain Cable Patch-cord

**Part Number:** FPCD-3D5L-xxxx-xxx-EC



### Overview

Ficer's Patch-cord provides sundry and cost effective solution for connection between Fiber Optical equipment and components. It has the benefits including easy installation, environmentally stable and excellent loading performance. The EC cable series have advantages of mechanical bending performance which are specifically designed for Energy Chain and Robotic Assembly system used in automatic production factory and various industrial application.



### Applications

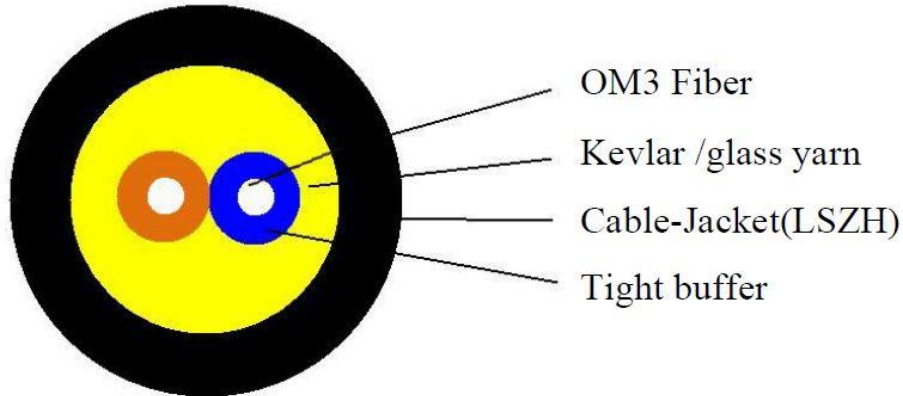
- Energy Chain system
- Robotic Assembly system
- Industrial data communication

### Features

- Low Insertion Loss & Return Loss
- High compressive, Light weight
- Small Diameter, Multi Fiber Cores
- High Reliability & Stability



## Cable Structure



## Specification

Parameters		Min.	Typ.	Max.	Unit
Fiber Type		MMF 50µm OM3			
Fiber Attenuation @850nm			3.0		dB/km
Fiber Attenuation @1300nm			1.2		dB/km
Tight Buffer		0.6mm x 2			
Cable Outer Diameter		2.8	3.0	3.2	mm
Cable Weight			8.0		kg/km
Cable Fiber Resistance		IEC60332-1			
Cable Tensile Long Term				60	N
Cable Tensile Short Term				100	N
Cable Crush Long Term				100	N/10cm
Cable Crush Short Term				500	N/10cm
Cable Bending Radius	Static	50			mm
	Dynamic	100			mm
Mechanic Bending Counts		2 Million			
Connector Type		LC/PC			
Insertion Loss			0.3	0.5	dB
Mating Durability (500 cycles)				0.2	dB
Temperature Stability				0.3	dB
Operating Temperature °C		-20		70	°C
Storage Temperature °C		-20		70	°C



**Ordering Information**

FPCD-3D5L---EC

**Connector Type at End 1 & End 2**

- |                          |                          |
|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> |
| F: FC                    | P: PC                    |
| S: SC                    | A: APC                   |
| T: ST                    | X: None                  |
| L: LC                    |                          |
| C: DSC                   |                          |
| D: DLC                   |                          |
| U: MU                    |                          |
| E: E2000                 |                          |
| X: None                  |                          |

**Cable Length**

Meters ( including Connector )

EX : 003=3M, 015=15M, 100=100M, 0X5=0.5M, 3X5=3.5M, 01K=1KM, 1K5=1.5KM, 10K=10KM