

General Description

The PDR Fanout Patch Cord is a pre-terminated, both-end breakout assembly that fans a single multi-fiber round cable out into discrete single-ferrule connectors for high-density fiber optic interconnection. Each assembly routes 250 μ m buffered fibers into individually numbered fanout legs terminated with LC, SC, ST, or FC connectors, simplifying fiber identification and patching. The cable is supplied in two rugged round-jacket diameters — 3.0 mm and 7.0 mm — to suit both compact routing and heavily protected runs. Available in single-mode (OS2) and multimode (OM3 / OM4) fiber and in 12F and 24F counts (custom counts on request), every assembly is 100% factory terminated and tested for consistent insertion and return loss performance. It is a low-cost, pre-assembled solution designed mainly for indoor interconnection between transmission equipment, ODFs, and patch panels.



Key Features

- Both-end fanout breakout from a single round cable to discrete LC, SC, ST, or FC connectors
- Supplied in two rugged round-jacket cable diameters: 3.0 mm and 7.0 mm
- Available in 12F and 24F fiber counts; custom fiber counts available on request
- Supports single-mode (OS2) and multimode (OM3, OM4) fiber types
- Individually numbered fanout legs for quick and accurate fiber identification
- 250 μ m buffered fibers fanned into protected 0.9 mm / 2.0 mm subunits
- Compact, stackable design for high-density patch panel and ODF terminations
- Low-cost, pre-assembled construction for fast indoor interconnection
- 100% factory terminated and tested for guaranteed optical performance
- Custom connector combinations, jacket materials, and cable lengths available on request

PDR VIDEOTRONICS (INDIA) PRIVATE LIMITED

ADDRESS

99, Old Prabhadevi Road
Mumbai 400 025, India

CONTACT

T: +91 22 2430 6494 / 2430 9536 / 2436 1647
M: +91 86910 00897 / 95946 56333

ONLINE

E: info@pdrworld.com
W: www.pdrworld.com

Technical Specifications

Parameter	Specification
Single-Ferrule Connector Types	LC, SC, ST, FC; PC or APC end face
Fiber Mode — Single-Mode	OS2 (ITU-T G.652D)
Fiber Mode — Multimode	OM3, OM4
Fiber Count	12F, 24F; custom counts available on request
Insertion Loss — Typical	≤ 0.30 dB
Insertion Loss — Low Loss	≤ 0.20 dB
Return Loss	≥ 60 dB (APC) ≥ 50 dB (UPC) ≥ 20 dB (PC)
Durability	< 0.2 dB change after 200 insertions
Cable Jacket Diameter	3.0 mm 7.0 mm (round cable)
Fanout Leg Diameter	0.9 mm 2.0 mm
Buffer Diameter	250 μ m
Cable Construction	Round cable — single or double jacket
Jacket Material	LSZH / PVC / OFNR (specify at order)
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Compliance	RoHS
Custom Length	Available on request
Testing	100% factory terminated and tested

Applications

- High-density data centre interconnects and structured cabling installations
- Telecommunications central office distribution frames and patch panels
- Fiber-to-the-Home (FTTH) and Fiber-to-the-Building (FTTB) access networks
- Fiber distribution units (FDUs) and high-density patch panel terminations
- Enterprise backbone network connections and campus LAN deployments
- Indoor interconnection between transmission equipment, ODFs, and patch panels

PDR VIDEOTRONICS (INDIA) PRIVATE LIMITED

ADDRESS

99, Old Prabhadevi Road
Mumbai 400 025, India

CONTACT

T: +91 22 2430 6494 / 2430 9536 / 2436 1647
M: +91 86910 00897 / 95946 56333

ONLINE

E: info@pdrworld.com
W: www.pdrworld.com

Ordering Information

Order Code Structure

Position	Code	Description
Product Code	FO	Fanout Patch Cord identifier
End #1 Connector	L / S / T / F	L = LC, S = SC, T = ST, F = FC
End #1 End Face	P / A	P = PC, A = APC
Fiber Count	12 / 24	Number of fibers (custom counts on request)
End #2 Connector	L / S / T / F / 00	Same options as End #1; 00 = pigtail (unterminated)
End #2 End Face	P / A	P = PC, A = APC
Fiber Mode	OS2 / OM3 / OM4	Single-mode or multimode fiber grade
Cable Diameter	3 / 7	3 = 3.0 mm, 7 = 7.0 mm round jacket
Cable Length	e.g. 1M, 3M, 5M, 10M	Length in metres (custom available on request)

Order Code Example: **FO-L-P-12-L-P-OS2-7-5M**

(Fanout, LC, PC end face, 12 Fiber, LC, PC end face, OS2 single-mode, 7.0 mm cable, 5 m length)

PDR VIDEOTRONICS (INDIA) PRIVATE LIMITED

ADDRESS

99, Old Prabhadevi Road
Mumbai 400 025, India

CONTACT

T: +91 22 2430 6494 / 2430 9536 / 2436 1647
M: +91 86910 00897 / 95946 56333

ONLINE

E: info@pdrworld.com
W: www.pdrworld.com