

# OM3/OM4 Multi-Mode 50µm Freeform Ribbon™ Fiber Bundles

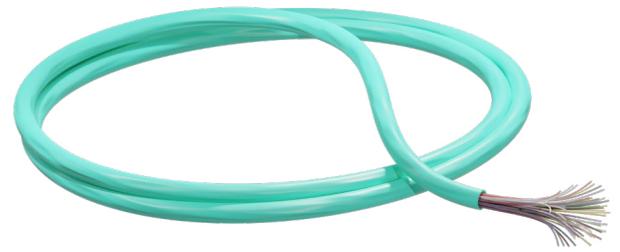
The Freeform Ribbon™ design (FP72PVx) uses durable Polyvinylidene Fluoride (PVDF) material for the jacket and Sumitomo Electric Lightwave’s patented 12-fiber pliable ribbon, which is constructed of 250mm color-coded optical fibers known as Freeform Ribbon™.

Freeform Ribbon™ allows for compact fiber bundle construction without the need for nylon subunits which makes the preparation and termination process easier and faster compared to the legacy design (FBxxG5x/G5xS). Additionally, with 12ct Freeform Ribbon™, fusion splicing can be done with 12 fibers at once compared to only one fiber at a time for legacy versions, saving valuable time and overall termination costs. With the Freeform Ribbon™ design fiber bundle, the choice of termination is now expanded to ribbon fibers, non-ribbonized fibers, MPO and other standard connectors.

Blowing accessories are required for the best blowing performance.

## FEATURES

- Up to 72 Fibers per Bundle
- Industry Standard OM3 and OM4
- Fibers Individually Color-Coded per TIA Standards
- Aqua Aerodynamic Jacket Allows Long Distance Blows
- Ripcords for Easy Bundle Entry
- UL Listed for Use With Fire-Rated Tube Cables
- Meets ICEA, TIA and UL Standards
- Meets IEEE 802.3z Gigabit Ethernet Standard
- Gigabit Laser Optimized 50/125 Multi-Mode

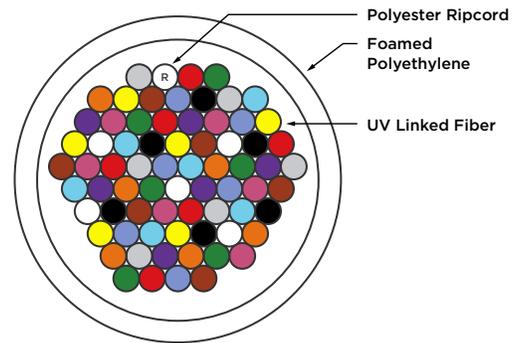


PART NUMBER	FIBER TYPE	DESCRIPTION
FP72PV3	50/125 OM3 (Indoor Only)	10 Gb 300 Meter Multi-Mode 72-Fiber
FP72PV4	50/125 OM4 (Indoor Only)	10 Gb 550 Meter Multi-Mode 72-Fiber

*Must use blowing accessories to maximize FP72PV3 and FP72PV4 blowing performance.*

## FIBER COUNTS

### Freeform Ribbon™ Fiber Bundle Series



72ct Fiber Bundle

## SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Bundle Jacket Material	Polyvinylidene Fluoride (PVDF)	
Fiber Bundle Jacket Color	Aqua	
Core Diameter	50 µm	
Cladding Diameter	125 µm	
Buffer / Acrylate Diameter	250 µm	
Maximum Attenuation at 850/1300 nm	< 3.5 / 1.5 dB/km	
Fiber Bandwidth at 850/1300 nm	> 500 / 500 MHz-km	
Minimum Bandwidth (Overfilled)	850 nm	1500 / 3500 MHz*km
	1300 nm	500 / 500 MHz*km
Laser EMB at 850 nm (MHz*km)	850 nm	2000 / 4700 m
	1300 nm	500 / 500 m
Group Index of Refraction	850 nm	1.483
	1300 nm	1.479
Operation Temperature Range	-40° F to +158° F (-40° C to +70° C)	
Environment	Indoor Only	
Fiber Bundle Minimum Bend Radius	1.5 in	

## ORDERING INFORMATION

PART NUMBER	FIBER TYPE	DESCRIPTION	OUTSIDE DIAMETER		MAX WEIGHT (LBS./KFT.)	MAX LENGTH (600 BOBBIN) FT
			IN	MM		
FP72PV3	50/125 OM3 (Indoor Only)	10 Gb 300 Meter Multi-Mode 72-Fiber	0.16	4.1	7.88	9,800
FP72PV4	50/125 OM4 (Indoor Only)	10 Gb 550 Meter Multi-Mode 72-Fiber	0.16	4.1	7.88	9,800

## BLOWING ACCESSORIES

Blowing Accessories to Maximize FP72PV3 and FP72PV4 blowing distance.

PART NUMBER	DESCRIPTION	UOM
BELUBE8	Tube Cable Lubricant, 8-fl oz/240-ml Squeeze Bottle. For up to 10,000 ft. Tube Distance	EA
BESPG01	Sponges for Spreading Lubricant, 5-8 mm, Pack of 100	PK
BESRG20	Polypropylene Syringe 20 ml	EA
BE4MFT	Blowing Tip (72 Fiber Bundle) BLUE	EA
FT72FBK-12MU	72-Fiber Bundle Breakout Kit MM (w/ 3mm Tubing for 6 x 12F Breakout Kit; for use w/ FOX Splice Cassettes or Lynx-CustomFit™ MPO Splice-On Connectors)	EA

\*Must use BELUBE8, BESPG01, and BESRG20 for the best blowing performance.



BELUBE8



BESPG01



BESRG20

To learn more information visit [www.SumitomoElectricLightwave.com](http://www.SumitomoElectricLightwave.com)