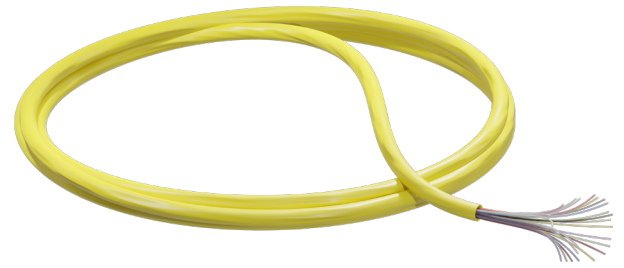


## OS2 Single-Mode Freeform Ribbon™ Fiber Bundles



The Freeform Ribbon™ design (FPxxPVS) bundles uses Sumitomo Electric Lightwave's patented 12-fiber pliable ribbon constructed of 250um color-coded optical fibers known as Freeform Ribbon™.

The Freeform Ribbon™ allows for compact fiber bundle construction without the need for nylon subunits which makes the preparation and termination process much easier and faster compared to the legacy design (FBxxSX/SXS). Additionally, with 12ct Freeform Ribbon™, fusion splicing can be done with 12 fibers at once compared to only one fiber at a time for the legacy versions, again, 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.

### FEATURES

- Available in 48f and 72f
- Industry Standard Low Water Peak Single-Mode Optical Fiber
- Fibers Individually Color-Coded Per TIA Standards
- Yellow 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
- The Freeform Ribbon™ design uses durable PVDF material for the jacket. Blowing accessories are required for the best blowing performance.

### SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Bundle Jacket Material	Polyvinylidene Fluoride (PVDF)	
Fiber Bundle Jacket Color	Yellow	
Core Diameter	8.3 μm	
Fiber Core / Cladding Offset	≤ 0.4 μm	
Cladding Diameter	125 μm	
Maximum Attenuation	1310 nm	≤ 0.40 dB/km
	1550 nm	≤ 0.30 dB/km
Index of Refraction	1310 nm	1.466
	1550 nm	1.467
	1625 nm	1.47
Fiber Bundle Minimum Bend Radius	1.5 in (38.1 mm)	

## ORDERING INFORMATION

PART NUMBER	ABF BOBBINS	FIBER TYPE	DESCRIPTION	OUTSIDE DIAMETER		MAX WEIGHT (LBS./KFT.)	MAX LENGTH (FT.)
				IN	MM		
FP48PVS	600 Bobbins	SM OS2	Single-mode 48-fiber	0.12	3.1	5.2	9,800
FP72PVS	600 Bobbins	SM OS2	Single-mode 72-fiber	0.15	3.8	6.0	9,800

## BLOWING ACCESSORIES

The blowing accessories to maximize FP72PVS and FP48PVS 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 20ml	EA

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



BELUBE8



BESPG01



BESRG20