

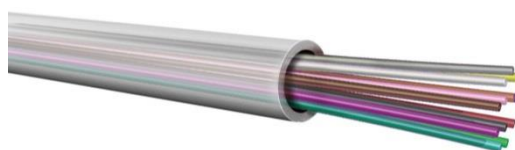


# j-FiberUnit Series

## Customized j-fiber MMF or SMF Multi-fiber Units

### j-fiber high-performance fibers combined in multi-fiber units for high-efficiency cabling

With j-FiberUnits, j-fiber offers an innovative product and value-add service to its global cable manufacturing clients. j-FiberUnits contain an individual client choice of j-fiber Multimode and/or Singlemode high-performance optical fibers, packaged and bundled in fiber units with 8 or 12 fibers. j-FiberUnits are delivered with a protective acrylate coating which can be easily removed. j-FiberUnit products and bundling services allow cable makers to outsource a bottleneck production step to support productivity enhanced cable manufacturing of high-performance optical cables.



### Ordering Information

To order please call or email us and specify the following parameters when ordering:

Fiber Type: 50/125 – OM2, OM3 OM4  
62.5/125 – OM1  
09/125 – G.652.D,  
G.657.A1, G.657.A2

Fiber Count 8 or 12

Unit km

Quantity:

Other: desired ship date,  
special requests

For further information about our j-fiber products and services, please contact us:

### j-fiber GmbH

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### Benefits

- Value-add service to cable makers outsourcing fiber unit packaging step
- j-FiberUnits contain j-fiber high-performance Multimode or Singlemode optical fibers
- Individual customer selection of fiber set
- Supports high-efficiency packaging in cable manufacturing
- Delivery on demand with protective easy removable acrylate coating material

### Geometrical & Mechanical Characteristics

j-FiberUnit	Spec. Values		Unit
Number of Fibers in Unit	8	12	
Fiber Colors	according to IEC 60304, see below		
Fiber Coating Material	UV cured Acrylate, colored		
Unit Coating Material	UV cured Acrylate, clear		
Filling Compound	easily removable gel		
Outer Diameter	1200 ± 50	1350 ± 50	µm
Wall Thickness	≥ 100		µm
Operating Temperature Range <sup>1</sup>	-40 to +85		°C
Strip Force Unit Coating	Average	< 4	N
	Peak	< 5	

<sup>1</sup> Materials withstand this temperature range long-term.

### Optical Characteristics

j-FiberUnit	Spec. Values			Unit
Fiber Type	50/125	62.5/125	09/125	
Attenuation <sup>2</sup>	850nm	≤ 2,6	≤ 3,0	dB/km
	1300nm	≤ 0,7	≤ 0,7	
	1310nm		≤ 0,40	
	1550nm		≤ 0,35	
Attenuation Increase <sup>2</sup> @ -40°C	< 1,5	< 1,0	< 0,2	dB/km

<sup>2</sup> Maximum attenuation increase that is expected at the lower temperature limit. Above room temperature given attenuation values apply.

### Coloring & Ring Marking

The color set comprises the 12 colors according to TIA/EIA-598 and IEC 60304, including: red, green, blue, yellow, white, grey (slate), brown, violet, turquoise (aqua), black, orange and pink (rose). Optional ring marking can be customized for each color except black by choosing number of rings and distance between ring groups.