

X-Ferrule Fiber Pigtail Assembly

- Hermetic Sealed Fusion Weld
- Quartz Ferrule Structure

Characteristics

- Fused quartz proprietary X-Ferrule design*
- Fiber directly fusion welded to ferrule
- Used with standard/specialty SM fibers
- Can be adapted to other fiber types/sizes
- Soft UV-cured adhesive strain relief for added fiber protection
- Custom cabling to meet your design requirements

Advantages

- Epoxy-less structural bond design
- Strong hermetic seal due to fusion weld
- Improved material thermal property match to the fiber
- Very low insertion loss
- Avoids troublesome fiber metalization
- High strength and purity of fused quartz: resists chipping and cracking
- High chemical resistance
- Excellent for high temperature/pressure environments

Dimensions

- Ferrule
 - OD: 1800 +0/-20 μm
 - ID: 127 +3/-1 μm
 - Length: Specified by customer
 - Custom Dimensions Available
- Fiber length: Specified by customer

Terminations Available

- Additional X-Ferrule, Bare Fiber, SMA, FC, or ST on Opposite end
- Contact Sales to Discuss Alternative Termination Types

* Patent pending



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV

ISO 9001:2000

PT-XF/12-04

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