

BAND
Glass and Acrylic Fiber

FFLG

Fused Fiber Light Guide

Technical Specifications



Product Description:

ESKA CK-120, 3mm high performing optical fiber formulated from high purity polymethyl methacrylate (known as PMMA)

Product Construction

Concentric double layer structure consisting of PMMA core and specially selected fluorine polymer cladding.

Product Manufacturer

Mitsubishi Rayon

Product Performance Characteristics

Low transmission loss in range of visible light spectrum
 Large core diameter
 Wide acceptance angle
 Excellent durability and reliability
 Large alignment tolerance for connectors

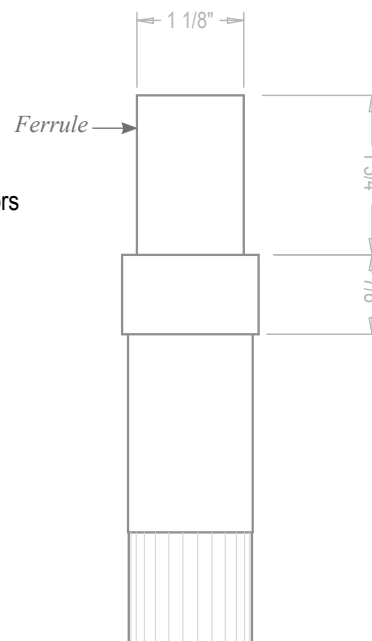
Technical Data

Fiber diameter: 3mm (1/8" O.D.)
 Core diameter: 2.944 mm
 Transmission loss: 200 db/km
 Temperature range: C-55 to +70
 Refractive index: 1.49
 Numerical aperture (NA): 0.5
 Coil length: 150m

Additional technical specifications are available upon request.



Ferrule



SPECIFICATION

BGS

Bifurcated Glass Splitter

Technical Specifications



Product Description	Laboratory grade, bifurcated glass splitter Divides fibers into efficient bundles of 10 Up to (6) discrete fiber runs from light-source (60) leg capacity using 3mm fused acrylic Eliminates light-source redundancy Energy and maintenance efficient
Product Construction	flame retardant, non-reactive sheathing Aluminum sleeves for constant color dimming Precision machined aluminum common-end Randomization available upon request
Product Performance Characteristics	State-of-the-art color balance Excellent light transmission properties Superior longevity and bending radii Excellent interface for PMMA (acrylic) fiber
Product Manufacturer	Band, Incorporated

Additional technical specifications available upon request

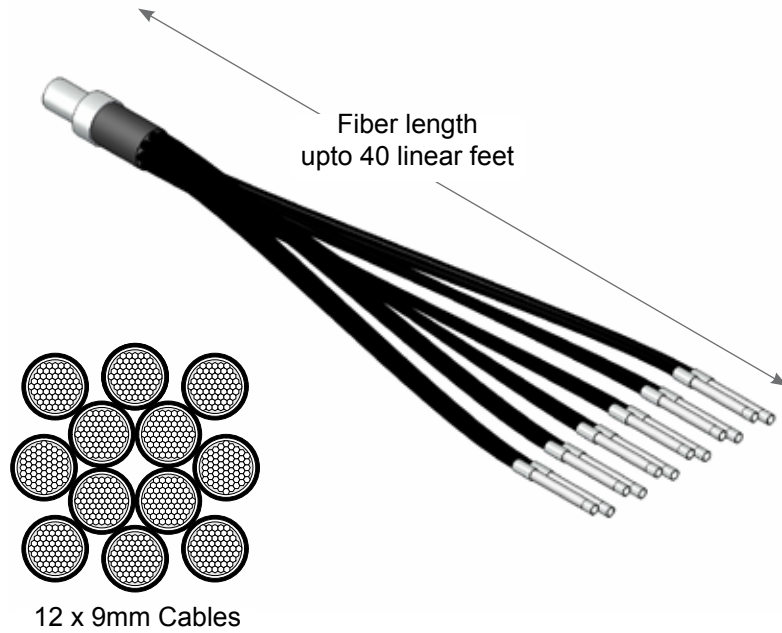


SPECIFICATION

MFH 12x9

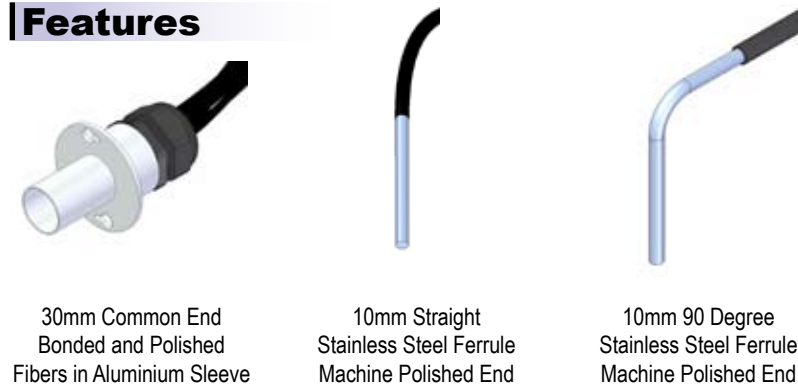
Multi-Fiber Harness

Technical Specifications



Product Description	Laboratory grade optical fiber harness (12) leg capacity using 3mm bonded glass (10) leg capacity using 3mm fused acrylic Note: fiber diameters available from .5-15mm
Product Construction	Flame retardant, non-reactive jacketing Precision machined aluminum sleeves and ferrules Machine ground and polished bonded glass fibers Thermally fused and polished fused acrylic fibers Randomization available upon request
Product Performance Characteristics	State-of-the-art color balance Excellent light transmission properties Superior longevity and bending radii
Product Manufacturer	Band, Incorporated
Additional technical specifications available upon request	

Features



30mm Common End
Bonded and Polished
Fibers in Aluminium Sleeve

10mm Straight
Stainless Steel Ferrule
Machine Polished End

10mm 90 Degree
Stainless Steel Ferrule
Machine Polished End

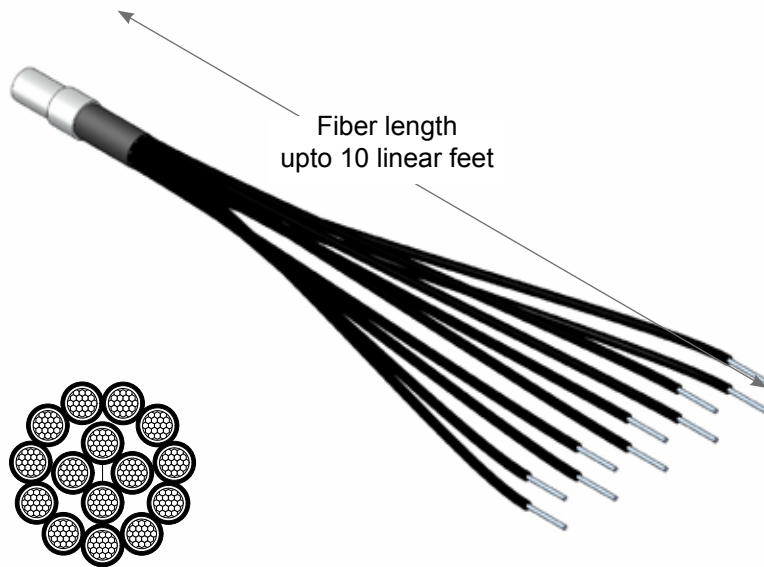


SPECIFICATION

MFH 15x3

Multi-Fiber Harness

Technical Specifications

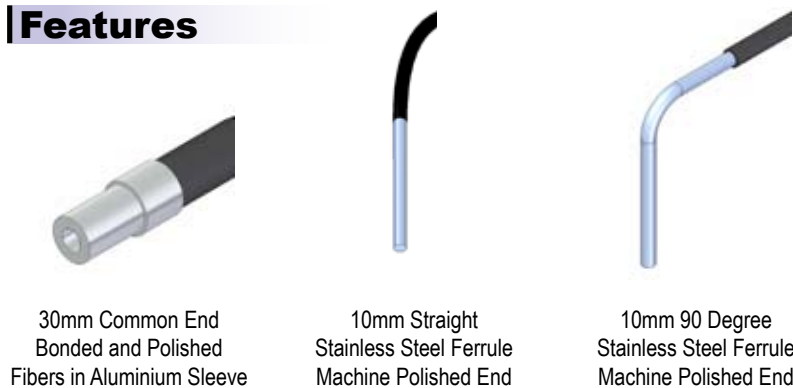


15 x 3mm Cables

Product Description	Laboratory grade optical fiber harness (15) leg capacity using 3mm bonded glass (10) leg capacity using 3mm fused acrylic
	Note: fiber diameters available from .5-15mm
Product Construction	Flame retardant, non-reactive jacketing Precision machined aluminum sleeves and ferrules Machine ground and polished bonded glass fibers Thermally fused and polished fused acrylic fibers Randomization available upon request
Product Performance Characteristics	State-of-the-art color balance Excellent light transmission properties Superior longevity and bending radii
Product Manufacturer	Band, Incorporated

Additional technical specifications available upon request

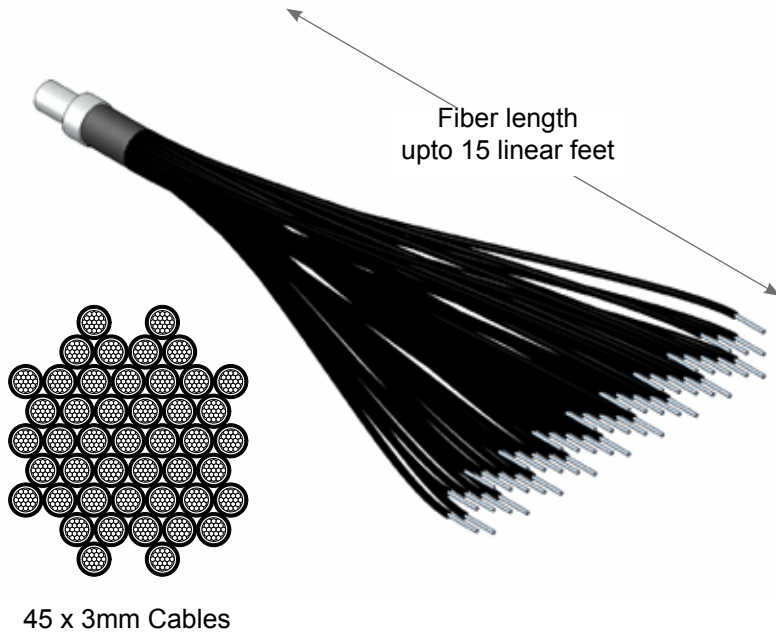
Features



MFH 45x3

Multi-Fiber Harness

Technical Specifications



Product Description	Laboratory grade optical fiber harness (45) leg capacity using 3mm bonded glass (35) leg capacity using 3mm fused acrylic Note: fiber diameters available from .5-15mm
Product Construction	Flame retardant, non-reactive jacketing Precision machined aluminum sleeves and ferrules Machine ground and polished bonded glass fibers Thermally fused and polished fused acrylic fibers Randomization available upon request
Product Performance Characteristics	State-of-the-art color balance Excellent light transmission properties Superior longevity and bending radii
Product Manufacturer	Band, Incorporated
Additional technical specifications available upon request	

Features



30mm Common End
Bonded and Polished
Fibers in Aluminium Sleeve



10mm Straight
Stainless Steel Ferrule
Machine Polished End



10mm 90 Degree
Stainless Steel Ferrule
Machine Polished End

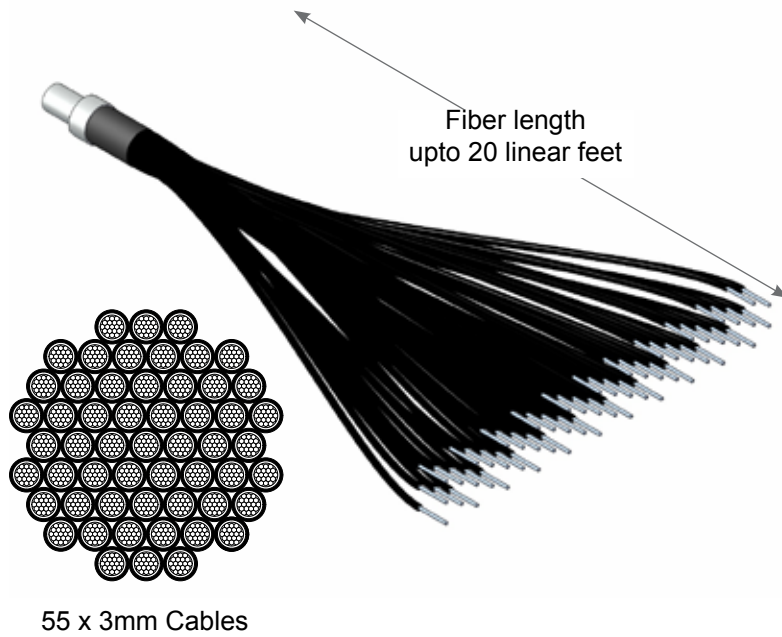


SPECIFICATION

MFH 55x3

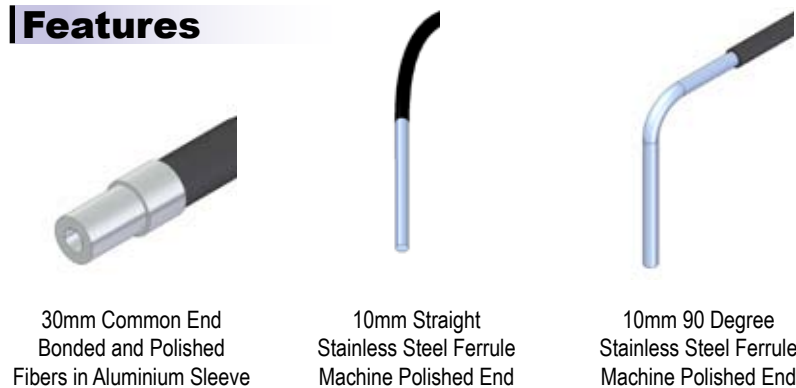
Multi-Fiber Harness

Technical Specifications



Product Description	Laboratory grade optical fiber harness (55) leg capacity using 3mm bonded glass (45) leg capacity using 3mm fused acrylic Note: fiber diameters available from .5-15mm
Product Construction	Flame retardant, non-reactive jacketing Precision machined aluminum sleeves and ferrules Machine ground and polished bonded glass fibers Thermally fused and polished fused acrylic fibers Randomization available upon request
Product Performance Characteristics	State-of-the-art color balance Excellent light transmission properties Superior longevity and bending radii
Product Manufacturer	Band, Incorporated
Additional technical specifications available upon request	

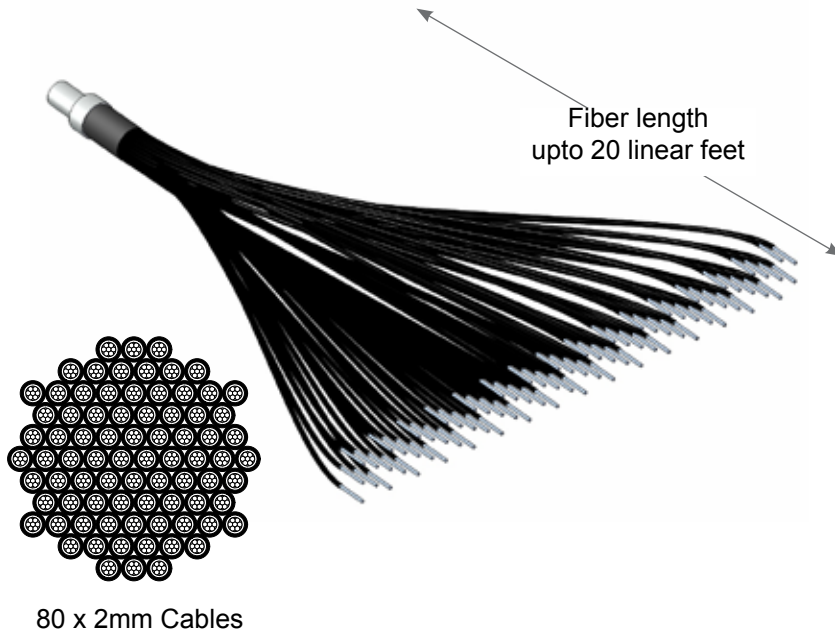
Features



MFH 80x2

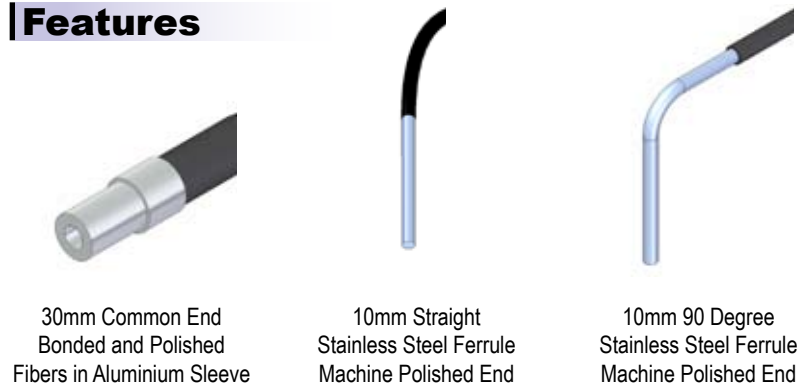
Multi-Fiber Harness

Technical Specifications



Product Description	Laboratory grade optical fiber harness (55) leg capacity using 3mm bonded glass (45) leg capacity using 3mm fused acrylic Note: fiber diameters available from .5-15mm
Product Construction	Flame retardant, non-reactive jacketing Precision machined aluminum sleeves and ferrules Machine ground and polished bonded glass fibers Thermally fused and polished fused acrylic fibers Randomization available upon request
Product Performance Characteristics	State-of-the-art color balance Excellent light transmission properties Superior longevity and bending radii
Product Manufacturer	Band, Incorporated
Additional technical specifications available upon request	

Features



30mm Common End
Bonded and Polished
Fibers in Aluminium Sleeve

10mm Straight
Stainless Steel Ferrule
Machine Polished End

10mm 90 Degree
Stainless Steel Ferrule
Machine Polished End

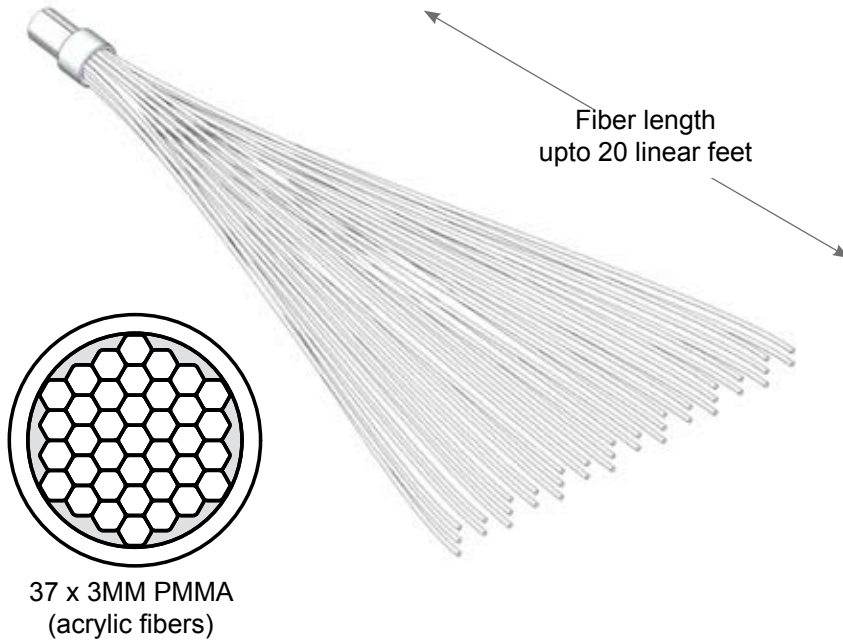


SPECIFICATION

ALG 37 x 3MM PMMA

Acrylic Light-Guide Fiber Harness

Technical Specifications



37 x 3MM PMMA
(acrylic fibers)

Product Description

Laboratory grade optical fiber harness
ESKA CK-120, 3MM (1/8" diameter) high
performance optical fiber formulated from high
purity polymethyl methacrylate (PMMA)
37-leg capacity utilizing thermal fusing
process

Note: fiber diameters available from .5MM up to 10.5MM

Product Construction

Flame retardant, non-reactive jacketing
Concentric double layer structure consisting of PMMA
core and fluorine cladding
Precision machined aluminum sleeves and ferrules
Thermally fused and polished fused acrylic fibers

Product Performance Characteristics

State-of-the-art color balance
Low transmission loss in visible spectrum
Wide acceptance angle
High durability (sheathed cable)
Transmission Loss: 200 db/km
Refractive Index: 1.49
Numerical Aperture (NA): 0.5

Optical fiber manufacturer:

Mitsubishi International
Acrylic light-guide manufacturer: Band, Inc.

Features



30mm Common End
Bonded and Polished
Fibers in Aluminium Sleeve



10mm Straight
Stainless Steel Ferrule
Machine Polished End



10mm 90 Degree
Stainless Steel Ferrule
Machine Polished End

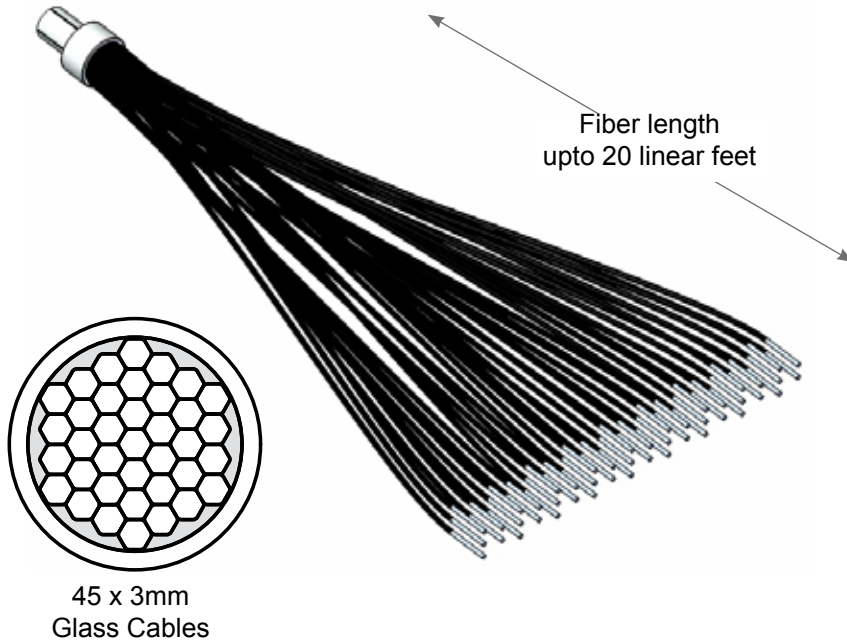


SPECIFICATION

MFH 45x3MM Glass

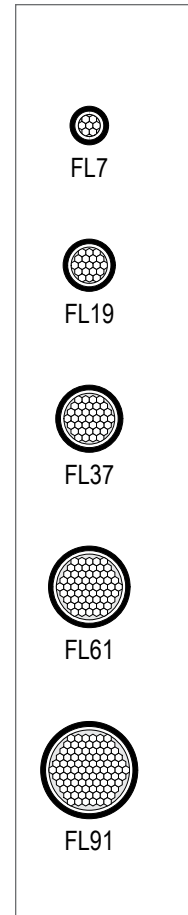
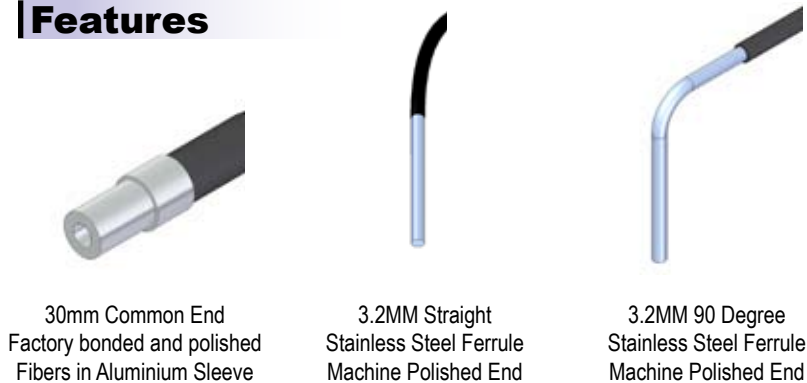
Multi-Fiber Harness: 45 Branch

Technical Specifications



Product Description	Laboratory grade optical fiber harness Factory terminated common-end for superior quality and performance Electrical safety for worry-free performance
	(55) leg capacity using 3mm bonded glass
	Note: Fiber diameters available from 0.5MM up to 10.5MM
Product Construction	Flame retardant, non-reactive jacketing Precision machined aluminum sleeves and ferrules Machine ground and polished bonded glass fibers Randomization available upon request
Product Performance Characteristics	State-of-the-art color balance Excellent light transmission properties Superior longevity and bending radii

Features



Fiber Profiles
Actual Size

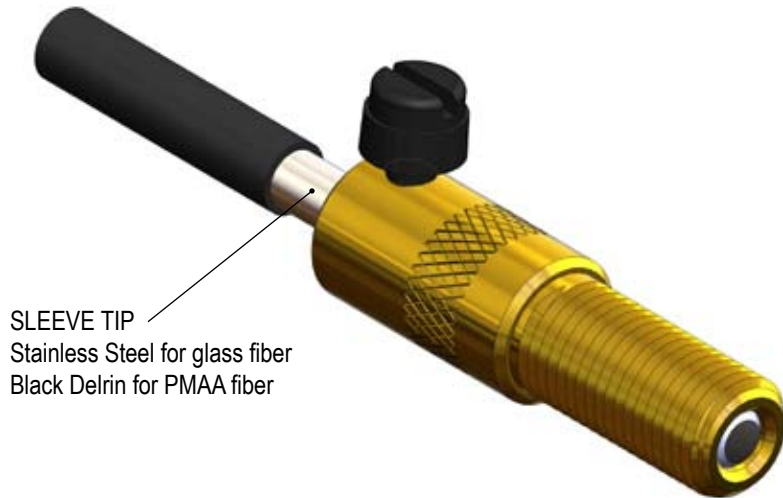


SPECIFICATION

BTG

Brass Tip Guide

Technical Specifications



SLEEVE TIP
Stainless Steel for glass fiber
Black Delrin for PMAA fiber

All Band Fiber is available tipped with a delrin or stainless steel sleeve. With our proprietary brass adapter 3mm PMMA and 3mm Glass fiber can be used with any fixture or fitting that uses a 10mm threaded mount.

The projected spot size is adjusted by sliding the fiber backwards and forwards to to achieve the desired result, use the thumb screw to fix the position of the fiber.

