

FIBERTERM Heat Shrinkable Splice Protector

Field application

The splice protection tube protects the splice against mechanical damage and moisture due to its robust design and user friendly size.

Design

This product is constructed with an inner EVA mutable adhesive tube, stainless steel strength member and a polyolefin heat shrink outer tube.

The tube are clear to allow viewing of the fibre during and after splicing. The entire assembly is designed to ensure that all members maintain perfect alignment during shipping, handling and shrinking.

Stock length are 40 and 60 mm with an after shrink diameter of 2,9 mm and accommodate fibre diameter up to 1,4 mm.



KEY FEATURES AND BENEFITS

Bellcore GR-1380 Compliant

RoHS Compliant

Full length strength member for total fibre support

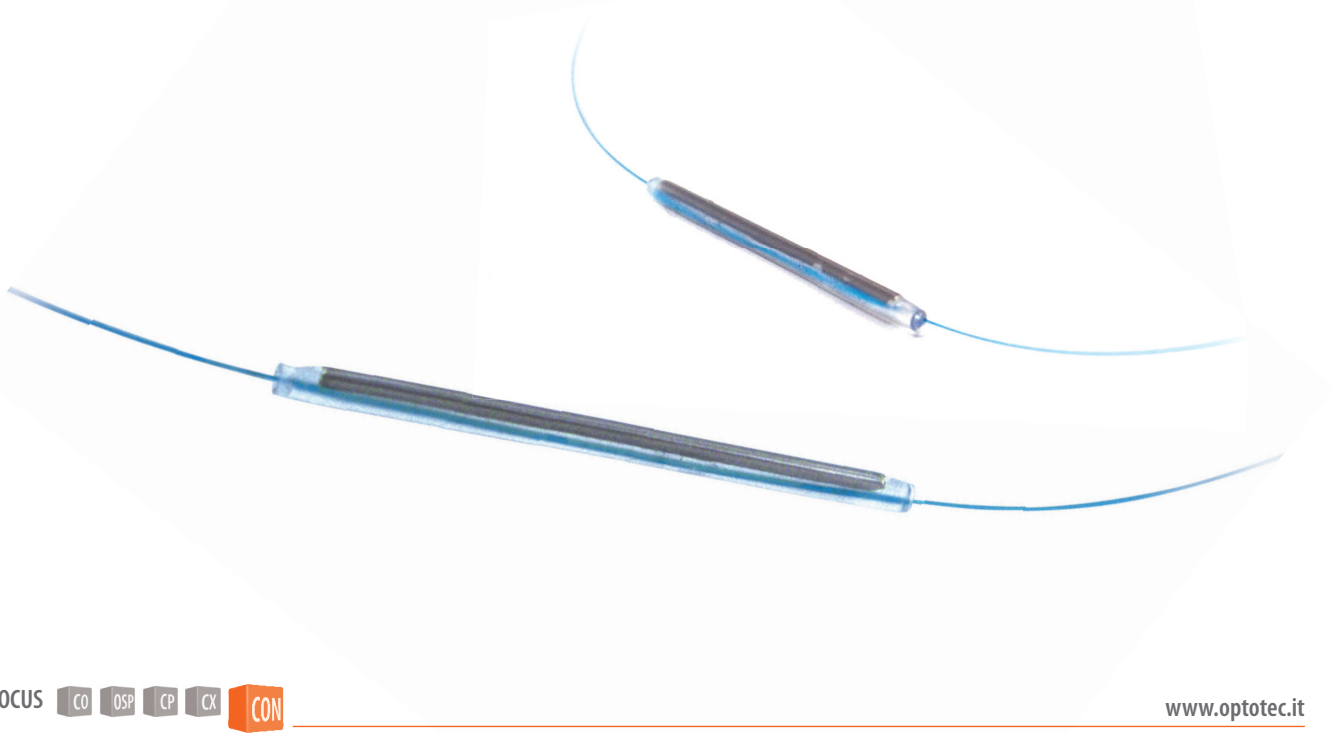
Close dimensional tolerances

Open ended assembly minimizing possibility of air entrapment during shrinkage

Packaged in 50 pcs per bag

TECHNICAL DATA

Shrinkable temperature of the sleeve	approx 115°C to 125°C
Melting point of the adhesive	approx 75°C to 85°C
Hardness of metal pin	> 400VH
Dimension	different sizes available

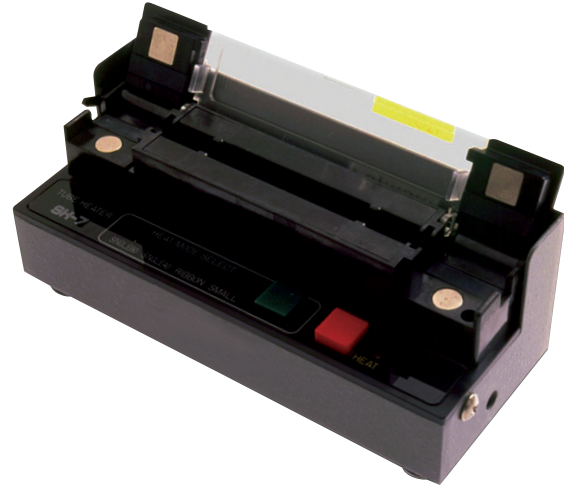


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Optotec FIBERTERM can be shrunk by all common fibre splicer or stand-alone ovens with standard shrinkage programs.

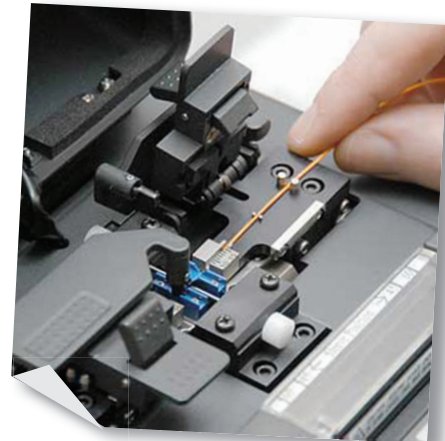
Please always follow the oven instruction to correctly position the FIBERTERM and align the fibre leads.
Please to heat-shrink times (both warm-up and cooling-off period).
Please always use high-quality fast shrinkage oven to assure best protection and reliability.

Natural standard colour. Different colours for immediate optical circuit identification available upon request.



DESCRIPTION		
Parameter	Unit	Performance
Installed outer diam.	mm	2.4 ± 0.2
Shelf life (<12 months)		+30°C to +60°C @ 93% RH
Chemical Resistance		30 days in 10% bleach solut.
Fluid Resistance		30 days in gasoline
Thermal Cycling		200 cycles (-40°C to +70°C)

ADDITIONAL FEATURES	
Hot melt adhesive tube made from polyolefin Ethyl Vinyl Acetate copolymer bonds both to the fibre and heat shrinkable outer tube to effectively encapsulate fusion splice.	
Outer tube conforms to MIL-I 23053/5 class 2 standards.	
Strength member is made of SAE316 grade stainless steel and is ground at the edges before polishing to make it completely burr free to avoid rupturing during shrinking.	
Splices shall withstand without breakage a load of 5N per fibre after exposure 30 days in water at 45°C	



OPTOTEC PN	DESCRIPTION	REFERENCE PN
5900201	FIBERTERM-62-24-14	L = 62 mm ϕ_{as} =2.4 mm
5900197	FIBERTERM-45-24-14	L = 45 mm ϕ_{as} =2.4 mm
5900195	FIBERTERM-40-15-18	L = 40 mm ϕ_{as} =1.5 mm
5900194	FIBERTERM-35-15-08	L = 35 mm ϕ_{as} =1.5 mm
5900193	FIBERTERM-25-15-08	L = 25 mm ϕ_{as} =1.5 mm
5900192	FIBERTERM-35-12-05	L = 35 mm ϕ_{as} =1.2 mm
5900191	FIBERTERM-25-12-05	L = 25 mm ϕ_{as} =1.2 mm

Note: ϕ_{as} = external diameter after shrinkage

Standard Optotec FOCUS splice modules are designed to accommodate ϕ_{as} =2.4 mm heat-shrinkable splice protectors, both 45 mm and 62 mm size