



SHEATHING OPTIONS FOR FIBEROPTIC CABLES

Standard - A PVC jacket over a flat steel ribbon monocoil is the standard cable sheathing, which is an excellent combination for general purpose usage.

Alternatives - Other cable sheathings are available for special applications. Interlocking Stainless Steel, Option C1, is the most popular alternative sheathing, providing the highest temperature capability and maximum crush resistance with good flexibility. It is also a good choice for high vacuum and cryogenic applications.

CODE	MATERIALS	TEMP RANGE	FEATURES
none	PVC over Steel Monocoil	+10 to +107°C	Good general purpose, moderate crush resistance, moderate tensile strength
C1	Interlocking Stainless Steel	-150 to +340 C	Maximum strength & temperature range, good flexibility
C2	Silicone Rubber only	-62 to +232 C	Maximim flexibility, no crush resistance, no tensile strength
C3	Silicone over Teflon Wrap	-62 to +232 C	2 meter max. length, light crush resistance, non-metallic
C4	Silicone over Steel Monocoil	-62 to +232 C	Good flexibility, moderate crush resistance, moderate tensile strength
C5	Teflon over SS Interlok	-150 to +260 C	Provides vapor barrier protection, poor flexibility
C6	PVC Shrinkwrap over Nylon Wrap	+10 to +107 C	Good for long lengths, light crush resistance, non-metallic
C7	Translucent Teflon	-150 to +260 C	Does not outgas in vacuum, wide temperature range, poor flexibility, susceptible to ambient light interference
C8	PVC Shrinkwrap only	+10 to +107 C	Good flexibility, no crush resistance, long lengths OK
C9	Annealed (semi-rigid) SS Tubing	-150 to +340 C	Very poor flexibility, Supports High Pressure
C10	Silicone Over SS Interlok	-62 to +232 C	Provides Electrical Isolation from SS Interlok
C11	Polyolefin Shrink Tubing	-55 to +150 C	Thin Wall Flexible Vapor Barrier

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