

M85045F & M49291C Military Specifications

Blolite® Blown Optical Fiber Technology (BOFT)

General Cable was the first fiber manufacturer to become a Qualified Products Listed (QPL) supplier of a militarized version of blown optical fiber technology in September of 2001. Today, we continue to remain the only qualified supplier of blown optical fiber fully engineered and tested to all the stringent requirements of M85045F and M49291C.

General Cable's Blolite® blown optical fiber technology was first installed on the aircraft carrier USS Harry Truman in 1997. Early proof of successful use of this technology and its future-proof capabilities for which it was designed, resulted in the formal development and qualification of the technology for the U.S. Navy. Key developments in military shipboard fiber optic technology have been the digitization of command, control and communication systems over a common infrastructure. This convergence has enabled significant savings in space and weight as well as greatly improved system functionality and damage tolerance. Blown optical fiber technology has furthered these advances by adding opportunities for cost savings, easy upgradeability and design flexibility.

General Cable's Blolite® blown optical fiber solution has proven to be *the SOLUTION* for the U.S. Navy fleet.

M85045F PIN (see Note)	General Cable Catalog Number	QPL Status	Description	Jacket Material	Intended Use
M85045/25-01E	OC-1715 (Lt Blue Jkt)	QPL	7-8mm Tubes	Thermoset	Blolite™ BOF System
M85045/25-01E	OC-1598 (Blk Jkt)	QPL	7-8mm Tubes	Thermoset	Blolite™ BOF System
M85045/25-01S	OC-1716 (Lt. Blue Jkt)	QPL	7-8mm Tubes	Thermoplastic	Blolite™ BOF System
M85045/25-01S	OC-1701 (Blk Jkt)	QPL	7-8mm Tubes	Thermoplastic	Blolite™ BOF System
M85045/26-01E	OC-1717 (Lt. Blue Jkt)	QPL	1-8mm Tube	Thermoset	Blolite™ BOF System
M85045/26-01E	OC-1597 (Blk Jkt)	QPL	1-8mm Tube	Thermoset	Blolite™ BOF System
M85045/26-01S	OC-1718 (Lt. Blue Jkt)	QPL	1-8mm Tube	Thermoplastic	Blolite™ BOF System
M85045/26-01S	OC-1704 (Blk Jkt)	QPL	1-8mm Tube	Thermoplastic	Blolite™ BOF System

Note: 'E' indicates enhanced thermoset jacket-'S' indicates standard thermoplastic jacket
BOF = Blown Optical Fiber

