

M85045F Military Specification

Low-Smoke, Zero-Halogen (LSZH) Shipboard Fiber Optic Cables

General Cable has supplied military specification wire and cable for 40 years and has a distinguished list of participation in important programs.

Military qualified fiber optic cables (MIL-PRF-85045) are listed below:

M85045F Part Identifying #	General Cable Catalog Number	Cable Diameter in (mm)	Jacket Type	Number of Fibers	Fiber Type	Minimum Bend Diameter		Maximum Tensile Load		Nominal Weight	
						Installation in (cm)	In-Service in (cm)	Installation lbs (N)	In Service lbs (N)	lbs/1000'	kg/km
M85045/13-01P	OC-1423P	.440 (11.2)	Thermoplastic	8	Multimode	3.5 (9.0)	7.0 (18)	605 (2700)	125 (560)	81	120
M85045/13-02P	OC-1576P	.440 (11.2)	Thermoplastic	8	Singlemode	3.5 (9.0)	7.0 (18)	605 (2700)	125 (650)	81	120
M85045/15-01P	OC-1369P	.320 (8.1)	Thermoplastic	4	Multimode	2.5 (6.4)	5.0 (12.7)	420 (1875)	92 (410)	42	62
M85045/15-02P	OC-1577P	.320 (8.1)	Thermoplastic	4	Singlemode	2.5 (6.4)	5.0 (12.7)	420 (1875)	92 (410)	42	62
M85045/16-01	OC-1468	.078 (2.0)	Thermoplastic	1	Multimode	.62 (1.6)	1.2 (3.0)	60 (270)	22 (100)	3	4.5
M85045/16-02	OC-1571	.078 (2.0)	Thermoplastic	1	Singlemode	.62 (1.6)	1.2 (3.0)	60 (270)	22 (100)	3	4.5
M85045/17-01P	OC-1434P	.440 (11.2)	Thermoset	8	Multimode	3.5 (9.0)	7.0 (18)	605 (2700)	125 (560)	82	122
M85045/17-02P	OC-1462P	.440 (11.2)	Thermoset	8	Singlemode	3.5 (9.0)	7.0 (18)	605 (2700)	125 (650)	82	122
M85045/18-01P	OC-1417P	.320 (8.1)	Thermoset	4	Multimode	2.5 (6.4)	5.0 (12.7)	420 (1875)	92 (410)	42	62
M85045/18-02P	OC-1578P	.320 (8.1)	Thermoset	4	Singlemode	2.5 (6.4)	5.0 (12.7)	420 (1875)	92 (410)	42	62
M85045/20-01L	OC-1569	.850 (21.6)	Thermoset	24	Multimode	6.8 (17.3)	13.6 (34.5)	740 (3300)	245 (1080)	300	446
M85045/20-02L	OC-1671	.850 (21.6)	Thermoset	24	Singlemode	6.8 (17.3)	13.6 (34.5)	740 (3300)	245 (1080)	300	446
M85045/20-01F	OC-1570	.850 (21.6)	Thermoset	33	Multimode	6.8 (17.3)	13.6 (34.5)	740 (3300)	245 (1080)	297	442
M85045/20-02F	OC-1672	.850 (21.6)	Thermoset	33	Singlemode	6.8 (17.3)	13.6 (34.5)	740 (3300)	245 (1080)	297	442
M85045/20-01M	OC-1540	.850 (21.6)	Thermoset	36	Multimode	6.8 (17.3)	13.6 (34.5)	740 (3300)	245 (1080)	294	437
M85045/20-02M	OC-1673	.850 (21.6)	Thermoset	36	Singlemode	6.8 (17.3)	13.6 (34.5)	740 (3300)	245 (1080)	294	437
M85045/21-01	OC-1651	.560 (14.2)	Thermoset	8	Multimode	4.5 (11.4)	9.0 (23.0)	605 (2700)	160 (710)	146	217
M85045/21-02	OC-1679	.560 (14.2)	Thermoset	8	Singlemode	4.5 (11.4)	9.0 (23.0)	605 (2700)	160 (710)	146	217
M85045/22-01	OC-1680	.570 (14.5)	Thermoplastic	18	Multimode	4.5 (11.4)	9.0 (23.0)	740 (3300)	165 (725)	132	195
M85045/22-02	OC-1652	.570 (14.5)	Thermoplastic	18	Singlemode	4.5 (11.4)	9.0 (23.0)	740 (3300)	165 (725)	132	195
M85045/23-01	OC-1681	.700 (17.8)	Thermoset	18	Multimode	5.6 (14.0)	11.2 (28.5)	740 (3300)	200 (890)	217	323
M85045/23-02	OC-1653	.700 (17.8)	Thermoset	18	Singlemode	5.6 (14.0)	11.2 (28.5)	740 (3300)	200 (890)	217	323
M85045/24-01	OC-1682	1.53 (38.9)	Thermoset	90	Multimode	12.3 (31.2)	24.6 (62.5)	N/A	N/A	900	1340
M85045/24-02	OC-1654	1.53 (38.9)	Thermoset	90	Singlemode	12.3 (31.2)	24.6 (62.5)	N/A	N/A	900	1340

Cables are listed on Qualified Products List MIL-PRF-85045 (QPL) Defense Supply Center, Columbus-United States Department of Defense

