

HIGH VOLTAGE SERIES

Xtreme-Light® & Xtreme-Light® Flex

Xtreme-Light® fiber designed for rugged applications, with a unique high modulus coating for better survivability in harsh environments. Xtreme-Light cable designs are compression resistant, hydrostatic tested to 15kpsi, subsea depths to 10km. These cables feature our specially formulated “Xtreme-grade” polyurethane jacket which offers excellent hydrolytic and UV stability. Xtreme-Light cables are available as sub-cables in composite electro-optical cables on other Aptiv ROV tethers and Xtreme-Marine EO.



SIMPLEX DESIGNS

Flexible fiber tether with high modulus coated fiber, synthetic strength member and Xtreme grade polyurethane jacket.

MULTI-FIBER DESIGNS

Compact designs with semi-rigid center strength core, waterblocked interstice and Xtreme grade polyurethane jacket.

OPTIONAL ORDERING

- Increased Strength
- Neutral Buoyant
- Insensitive Fibers
- Optional Colors

FIBER PROPERTIES

Fiber Type	Single Mode	Multimode	Multimode
Diameters	9.3/125/245/900um	62.5/125/245/900um	50/125/245/900um
IEC/ISO 11801 TIA/EIA	OS2	OM1	OM4
Attenuation db/km	492AAA @ 1310/ .40 @ 1550/ .30	494AAA @ 850db/ 3.5 @ 1300db/ 1.0	494AAA @ 850db/ 3.0 @ 1300db/ 1.0
Proof Test	200 kpsi	200 kpsi	200 kpsi
Temp Range	-60c to 150c	-60c to 150c	-60c to 150c
900um Fiber	-60c to 120c short term	-60c to 120c short term	-60c to 120c short term
Extreme PU Jacketed	-60c to 90c long term	-60c to 90c long term	-60c to 90c long term

PART NUMBERS

Part Number	Type/ Power	Break Strength		Finished Diameter		Min Bend Radius		Weight Air	
Xtreme-Light Simplex		LBS.	KG	Inch	mm	Inch	mm	LB/1000 ft	KG/KM
FM011402SM12	Single Mode	300	136	0.092	2.3	2.0	50	3.5	5.2
FM011402SM13	Single Mode	300	136	0.118	3.0	2.0	50	5.7	8.5
FM011402MM12	MM 62.5/125	300	136	0.092	2.3	2.0	50	3.5	5.2
FM011402MM13	MM 62.5/125	300	136	0.118	3.0	2.0	50	5.7	8.5
Xtreme-Light Simplex Neutral Buoyant		LBS.	KG	Inch	mm	Inch	mm	LB/1000 ft	KG/KM
FM011402SMNBT	Single Mode	300	136	0.144	3.7	2.0	50	7.3	10.9
FM011402MMNBT	MM 62.5/125	300	136	0.144	3.7	2.0	50	7.3	10.9
FM011402SMNBF*	Single Mode	300	136	0.100	2.5	2.0	50	3.5	5.2
FM011402MMNBF*	MM 62.5/125	300	136	0.100	2.5	2.0	50	3.5	5.2
Xtreme-Light Multifiber		LBS.	KG	Inch	mm	Inch	mm	LB/1000 ft	KG/KM
FM011402SM33	3 ea.	200	90	0.180	4.6	3.0	76	14	21
FM011402SM34	4 ea.	200	90	0.180	4.6	3.0	76	14	21
FM011402SM36	6 ea.	200	90	0.180	4.6	3.0	76	15	22
FM011402MM33	3 ea.	200	90	0.180	4.6	3.0	76	14	21
FM011402MM34	4 ea.	200	90	0.180	4.6	3.0	76	14	21
FM011402MM36	6 ea.	200	90	0.180	4.6	3.0	76	15	22
Xtreme-Light-Flex Simplex		LBS.	KG	Inch	mm	Inch	mm	LB/1000 ft	KG/KM
FM011402SM14	Single Mode	300	136	0.092	2.3	2.0	50	3.5	5.2
FM011402MM14	MM 50/125	300	136	0.092	2.3	0.80	20	3.5	5.2