

Xtreme-Light

Fiber Designed for Rugged Applications

Xtreme-Light® fiber designed for rugged applications includes a unique high modulus coating for better survivability in harsh environments. Xtreme-Light cable designs are compression resistant constructions, hydrostatic tested to 15kpsi, subsea depths to 10km.



KEY FEATURES

- Available in simplex or multi-fiber designs
- Compression resistant constructions, hydrostatic tested to 15k psi, subsea depths to 10km.
- Available as sub-cables in composite electro-optical cables on other Winchester ROV tethers and "Xtreme-Marine® EO"
- Other options include increased strength, neutral buoyant, bend sensitive fibers, and optional colors.

APPLICATIONS

- NEED APPLICATIONS

FIBER PROPERTIES

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

CABLE MANUFACTURING

PART NUMBERS

Part Number	Type/ Power	Break Strength		Finished Diameter		Min Bend Radius		Weight Air	
		LBS.	KG	Inch	mm	Inch	mm	LB/1000 ft	KG/KM
Simplex									
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
Simplex Neutral Buoyant									
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
Multifiber									
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

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