

# Xtreme-Light™

**NEWLY  
TESTED TO 15K PSI  
HYDROSTATIC PRESSURE**



## FEATURES:

Xtreme-Light™ fiber has extreme toughness with a unique, high modulus coating for better survivability in harsh environments. Xtreme-Light™ cable designs are solid, compression resistant constructions withstanding hydrostatic pressures at depths to 10 Km. Hydrostatic pressure tested to 15K PSI with only .37 db loss.

## 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 interstices and Xtreme grade polyurethane jacket.

## OPTIONAL:

Increased strength designs including steel armor may be ordered.

## FIBER PROPERTIES:

Falmat exclusively uses premium grade "Corning" fiber optics with values as listed:

Fiber:	Single Mode	Multimode
Diameters:	9.3/125/250/900um	62.5/125/250/900um
Attenuation (max) db/km:	@1310nm/1.0 @1550nm/.75	@850nm/3.75 @1300nm/1.5
Proof Test:	200 kpsi	200 kpsi
Temperature Range		
Coated Fiber:	-60c to 150c	-60c to 150c
Xtreme PU Jacketed:	-60c to 125c Short Term -60c to 100c Long Term	-60c to 125c Short Term -60c to 100c Long Term

PART NUMBER	TYPE / POWER	BREAK STRENGTH		FINISHED DIAMETER		MIN BEND RADIUS		WEIGHT (AIR)	
		LBS.	KG	INCH	MM	INCH	MM	LB/1,000 FT.	KG/KM
<b>SIMPLEX</b>									
FM011402SM12	Single Mode	300	136	.092	2.3	2.0	50	3.5	5.2
FM011402SM13	Single Mode	300	136	.118	3.0	2.0	50	5.7	8.5
FM011402MM12	MM 62.5/125	300	136	.092	2.3	2.0	50	3.5	5.2
FM011402MM13	MM 62.5/125	300	136	.118	3.0	2.0	50	5.7	8.5
<b>SIMPLEX NEUTRAL BUOYANT</b>									
FM011402SMNBT	Single Mode	300	136	.144	3.7	2.0	50	7.3	10.9
FM011402MMNBT	MM 62.5/125	300	136	.144	3.7	2.0	50	7.3	10.9
FM011402SMNBF*	Single Mode	300	136	.100	2.5	2.0	50	3.5	5.2
FM011402MMNBF*	MM 62.5/125	300	136	.100	2.5	2.0	50	3.5	5.2
<b>MULTIFIBER</b>									
FM011402SM33	3 ea.	200	90	.180	4.6	3.0	76	14	21
FM011402SM34	4 ea.	200	90	.180	4.6	3.0	76	14	21
FM011402SM36	6 ea.	200	90	.180	4.6	3.0	76	15	22
FM011402MM33	3 ea.	200	90	.180	4.6	3.0	76	14	21
FM011402MM34	4 ea.	200	90	.180	4.6	3.0	76	14	21
FM011402MM36	6 ea.	200	90	.180	4.6	3.0	76	15	22

\* Foam Polyurethane Jacket designs rated to 150m depth.



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