

Xtreme-Light[®]



Features

Xtreme-Light[®] fiber designed for rugged applications uses, with 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. Xtreme-Light[®] cables are available as sub-cables in composite electro-optical cables on other Falmat 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
- Bend Insensitive Fibers
- Optional Colors

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

PART NUMBER	TYPE/POWER	BREAK STRENGTH		FINISHED DIAMETER		MIN BEND RADIUS		WEIGHT AIR	
		LBS.	KG	INCH	MM	INCH	MM	LB/1000FT	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

* Foam Polyurethane Jacket designs rated to 150m depth.

Composite electro-optic cables with Xtreme-Light[®] available, see "Xtreme-Green[®] Fiber" and "Xtreme-Marine[®] EO" data sheets.



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