

Xtreme-Light®

Fiber designed for rugged applications



Falmat™ products, like Xtreme-Light®, are now a part of the Winchester Interconnect™ family.

Product Description

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® E0".

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.

Customizations

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



We Energize Innovation.

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/ .30 200 kpsi	494AAAA @ 850db/ 3.5 @ 1300db/ 1.0 200 kpsi	494AAAD @ 850db/ 3.0 @ 1300db/ 1.0 200 kpsi
Proof Test:	-60c to 150c	-60c to 150c	-60c to 150c
Temp Range	-60c to 120c Short term	-60c to 120c Short term	-60c to 120c Short term
900um Fiber:	-60c to 90c Long Term	-60c to 90c Long Term	-60c to 90c Long Term
Xtreme PU Jacketed:			

Part Numbers

Part Number	Type/Power	Break Strength		Finished Diameter		Min Bend Radius		Weight Air	
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
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
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