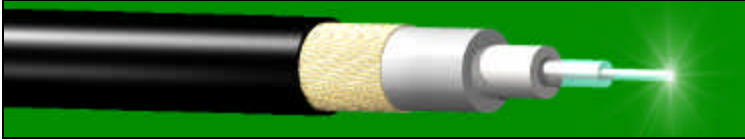


Xtreme-Light™



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 db/km:	@1300nm/.35 @1550nm/.25	@850nm/3.0 @1300nm/.7
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

CONSTRUCTION:

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 extreme depths. Most cables have Falmat's "Xtreme" grade moldable polyurethane jackets.

SIMPLEX DESIGNS:

Light weight, flexible with breaking strengths equal to steel constructions.

MULTI-FIBER DESIGNS:

Compact designs with flexible central strength member and water-blocked core.

PART NUMBER	TYPE / POWER	BREAK STRENGTH	FINISHED DIAMETER		MIN BEND RADIUS	WT. LB/M'
			INCH	MM		
SIMPLEX		LBS.	INCH	MM	INCH	
FM011402SM11	Single Mode	200	.080	2.0	2.0	2.7
FM011402SM12	Single Mode	400	.080	2.0	2.0	2.7
FM011402SM13	Single Mode	400	.118	3.0	2.0	5.6
FM011402MM11	MM 62.5/125	200	.080	2.0	2.0	2.7
FM011402MM12	MM 62.5/125	400	.080	2.0	2.0	2.7
FM011402MM13	MM 62.5/125	400	.118	3.0	2.0	5.6
MULTIFIBER			INCH	MM	INCH	
FM011402SM33	3 ea.	200	.180	4.6	3.0	14
FM011402SM34	4 ea.	200	.180	4.6	3.0	14
FM011402SM36	6 ea.	200	.180	4.6	3.0	15
FM011402MM33	3 ea.	200	.180	4.6	3.0	14
FM011402MM34	4 ea.	200	.180	4.6	3.0	14
FM011402MM36	6 ea.	200	.180	4.6	3.0	15



MINIATURE FLEXIBLE ELECTRO-OPTICAL CABLES

Inner Barrier Jacket, Strength Layer, Ruggedized Outer Jacket

PART NUMBER	TYPE/POWER	# COND. & AWG	ARMOR/ STRENGTH LAYER	BREAK STRENGTH	OUTER JACKET	FINISHED DIAMETER		MIN BEND RADIUS	WT. LB/M'
						INCH	MM		
SINGLE MODE FIBER WITH POWER				LBS.		INCH	MM	INCH	
FM012902-1	1 SM/2c-24awg	2C-26awg triax	N/A	5	PP	.073	1.85	2.0	4
FM012902-2	1 SM/2c-24awg	2C-26awg triax	Synthetic Fiber	450	PP	.108	2.74	2.0	6
FM012902-3	1 SM/2c-24awg	2C-26awg triax	Served Steel	250	Poly-U	.127	3.23	2.5	15
FM012902-4	1 SM/2c-26awg	8C-30awg	Synthetic Fiber	1200	Poly-U	.143	3.63	2.5	11
FM012902-5	1 SM/2c-26awg	8C-30awg	Served Steel	300	Poly-U	.155	3.95	2.5	21
FM012902-6	1 SM/2c-26awg	8C-30awg	Served Steel	300	Poly-U	.170	4.32	3.0	25
FM012902-7	1 SM/2c-22awg	12C-30awg	Served Steel	450	Poly-U	.187	4.75	3.5	32
FM012902-8	1 SM/2c-22awg	12C-30awg	Synthetic Fiber	900	Poly-U	.187	4.76	3.5	20
FM012902-9	1 SM/2c-19awg	6C-26awg	Served Steel	450	Poly-U	.215	5.46	3.5	40

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