



CONDUCTORS:

Stranded tin copper conductors for flexibility and corrosion resistance. Light weight, low dielectric copolymer insulation with great mechanical and moisture resistance.

STRENGTH LAYERS:

Light weight Aramid fibers are designed into each cable construction to meet specific ROV intended use for maximum strength and longevity.

JACKETS:

Jacket Materials are chosen for optimal bonding, moisture and mechanical resistance. Each cable is uniquely designed for specific ROV types using PE, TPE, PUR, and foam variations for flotation.

FEATURES:

Typical ROV Tethers include power conductors, shielded data pairs and video using coax, TSP, or fiber optics. Designs available in several configurations, including Neutral Buoyancy. A varied degree of strength designs available depending on workloads and handling system. The sample cables listed below are proven working designs for vehicles used worldwide.

DESIGN VARIATIONS:

Falmat manufactures many custom ROV cables using tried and proven components for power, video, data, etc., which are available for your design, providing shorter lead times.

PART NUMBER	COMP 1	COMP 2	COMP 3	COMP 4	BREAK STRENGTH	WGT LB/MFT. SEA WATER	FINAL O.D.	
							INCH	MM
FM022702-1	6 MM Fibers	3 - 75 ohm Coax	3 TSQJ 24 AWG	15c 18 AWG	14,000	27	1.780"	45.21
FM022702-2	6 MM Fibers	2 TSPJ 24 AWG	4c 18 AWG		2,000	19	.700"	17.78
FM022702-3	1 TQ 26 AWG	3 TSPJ 24 AWG	11c 24 AWG	9c 21 AWG	2,000	-6	.840"	21.34
FM022702-5	4 MM Fibers	5 TSP 22 AWG	7c 16 AWG		2,200	58	.900"	22.86
FM022702-6	2 SM Fibers	2 TSP 26 AWG	3c 16 AWG		1,000	0	.600"	15.24
FM022702-7	1 TSP 26 AWG	4c 22 AWG	2c 18 AWG		500	-1.5	.425"	10.80
FM022702-8	1 TP 24 AWG	2 TP 28 AWG	4c 20 AWG		200	0	.420"	10.67
FM022702-11	4 MM Fibers	2 TQ 26 AWG	1TSP 26 AWG	2c 26 AWG 1c 22 AWG 2c 14 AWG	2,500	-3	.825"	20.96
FM022702-12	2 - 75 ohm Coax	2 TSPJ 26 AWG	4c 18 AWG		2,000	0	.660"	16.76
FM022702-13	1 - 75 ohm Coax	1 TSQJ 24 AWG	2c 16 AWG		2,100	0	.520"	13.20
FM022702-14	4 MM Fibers	2 TSP 24 AWG	2c 14 AWG		2,000	0	.600"	15.24
FM022702-15	1 CAT5e Cable	12c 22 AWG			1,100	0	.550"	13.97
FM022702-16	1 - 75 ohm Coax	1 TSP 24 AWG	1TP 24AWG	2c 22 AWG 2c 18 AWG 3c 16 AWG	1,000		.650"	16.51
FM022702-17	4 SM Fibers	2 TSQJ 24 AWG	6 TSP 20 AWG	4c 14 AWG 4c 12 AWG	18,000	326	1.025"	26.04
FM022702-18	4 SM Fibers	4c 14 AWG 4c 12 AWG					.790"	20.07
FM022702-19	2 TSP 26 AWG	2c 18 AWG			1,500		.550"	13.97
FM022702-20	3 MM Fibers	2 TSQJ 24 AWG	2 TSP 24 AWG	17c 20 AWG	4,400		.700"	17.78
FM022702-21	1 MM Fiber	2c 22AWG			700	0	.325"	8.26
FM022702-22	3 SM Fibers	4c 20 AWG			25,000	-7	.915"	23.24
FM022702-23	3 SM Fibers	3c 10 AWG			35,000	-32	1.950"	49.53
FM022702-24	2 - 75 ohm Coax	6 TSPJ 24 AWG	5c 16AWG				.990"	25.15
FM022702-25	3 SM Fibers	3c 16 AWG 3c 12 AWG			7,900	38	1.100"	27.94
FM022702-26	4 SM Fibers	5c 12 AWG			30,000	110	.930"	23.62



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