



ROV Tether Cable

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.

Cable Properties	Conductors:	Stranded tin copper conductors for flexibility and corrosion resistance. Light weight, low dielectric copolymer insulation with great mechanical and moisture resistance.
	Strength Layer:	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 ROV cable is uniquely designed for specific ROV types using PE, TPE, PUR, and foam variations for flotation.

PART NUMBER	COMP 1	COMP 2	COMP 3	COMP 4	BREAK STRENGTH	WGT LB/MFT. SEA WATER		FINAL O.D.	
						LB.	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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