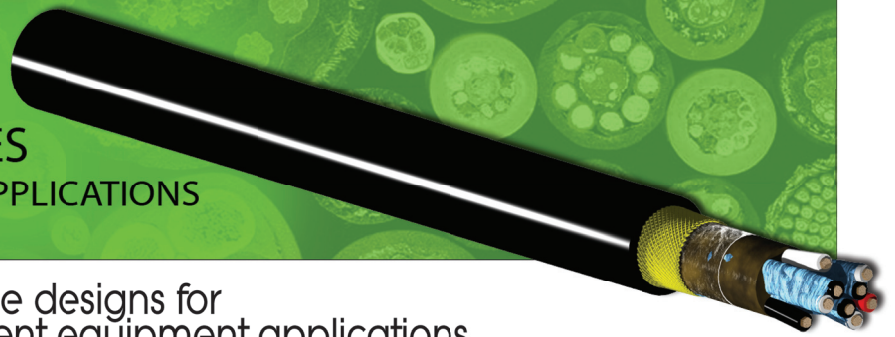


# Falmat SubSea

## INSTRUMENTATION CABLES

for DEMANDING UNDERWATER APPLICATIONS



Premium grade underwater cable designs for various oceanographic instrument equipment applications

### Data pairs:

- Shielded twisted pairs with aluminum/mylar shield, drain wire and shield isolation.
- Pairs are designed for RS232, RS422, RS485 signal rates

### Cable cores:

- Composite constructions with isolated shielded data pairs cabled with single power/control wires and interstices filled with thermoset waterblock

### Strain Relief:

- Overall synthetic fiber strength layer with rating listed below.  
800 lb. break strength.  
*Recommended safe work load not to exceed 20% of break strength.*

### Jacket:

- Flexible premium grade black polyurethane rated for long term subsea deployment

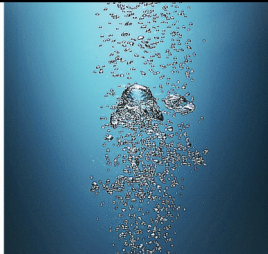
### Conductor Coding:

- Pairs Blk & Wht with number codes. Singles color coded.

### Rating:

- -25C to 90C, Power 600V, Data Pairs 300V depth rating to 2 km

Note: Variations of break strengths, jackets, colors and shields are offered as special order



PART NUMBER	# OF PAIRS	NOMINAL CAP.	NOMINAL IMPED.	# OF SINGLE COND.	OVERALL SHIELD	MIN BEND RAD. (IN.)	FIN. DIA. (INCHES)	WEIGHT (LBS./1,000 FT.)	
								(AIR)	(SEA)
FM020712-1	2 TSP 24 AWG	21 pf/ft	73 ohms	2 x 20 AWG	Alum + drain	4.0	0.392"	69	10
FM020712-2	4 TSP 24 AWG	21 pf/ft	73 ohms	4 x 22 AWG	Alum + drain	5.0	0.426"	87	17
FM020712-3	2 TSP 22 AWG	24 pf/ft	63 ohms	2 x 20 AWG	Alum + drain	4.0	0.405"	80	17
FM020712-4	3 TSP 22 AWG	33 pf/ft	47 ohms	3 x 22 AWG	Alum + drain	4.0	0.382"	76	20
FM020712-5	4 TSP 20 AWG	37 pf/ft	41 ohms	4 x 22 AWG	Alum + drain	5.5	0.462"	116	31
FM020712-6	3 TSP 18 AWG	33 pf/ft	46 ohms	3 x 18 AWG	Alum + drain	5.5	0.466"	138	55
*FM020712-7	2 TSP 22 AWG	34 pf/ft	46 ohms	None	*Alum + drain	3.0	0.272"	41	15
*FM020712-8	2 X 2 TP (4 TPs) 22 AWG	34 pf/ft	46 ohms	2 x 12 AWG	*Alum + drain	6.0	0.550"	169	63

\* Noted constructions (Part Number column) only rated to 500m Depth

\* Overall Shield in common with individual TSP shields



**FALMAT**  
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