

Undersea Instrumentation Cables

For oceanographic instrument equipment applications



Falmat™ products, like underwater instrumentation cables, are now a part of the Winchester Interconnect™ family.

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 black & White with number codes. Singles color coded.

Rating

- -25C to 90C, Power 600V Data Pairs 300V depth rating to 21-m



Part Number	# of Pairs	Nominal Cap	Nominal Imped	# Of Single Cond.	Overall Shield	Min Bend Rad (in.)	Fin Dia. (in.)	Weight lbs/1000ft (Air)	(Sea)
FM020712-1 -1	2TSP24AWG	21 pfft	73 ohms	2 x 20AWG	Alum+ drain	4.0	0.392"	69	10
FM020712-2	4 TSP24AWG	21 pfft	73 ohms	4 x 22AWG	Alum+ drain	5.0	0.426"	87	17
FM020712-3	2TSP 22AWG	24 pfft	63 ohms	2 x 20AWG	Alum+ drain	4.0	0.405"	80	17
FM020712-4	3TSP22AWG	33 pfft	47 ohms	3 x 22AWG	Alum+ drain	4.0	0.382"	76	20
FM020712-5	4 TSP20AWG	37 pfft	41 ohms	4 x 22AWG	Alum+ drain	5.5	0.462"	116	31
FM020712-6	3 TSP 18AWG	33 pfft	46 ohms	3 x 18AWG	Alum+ drain	5.5	0.466"	138	55
*FM020712-7	2 TSP 22AWG	34 pfft	46 ohms	None	*Alum+ drain	3.0	0.272"	41	15
*FM020712-8	2X2TP (4TPs)22AWG	34 pfft	46 ohms	2 x 12AWG	*Alum+ drain	6.0	0.550"	169	63

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

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

 **Winchester**
Interconnect.

We Energize Innovation.

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