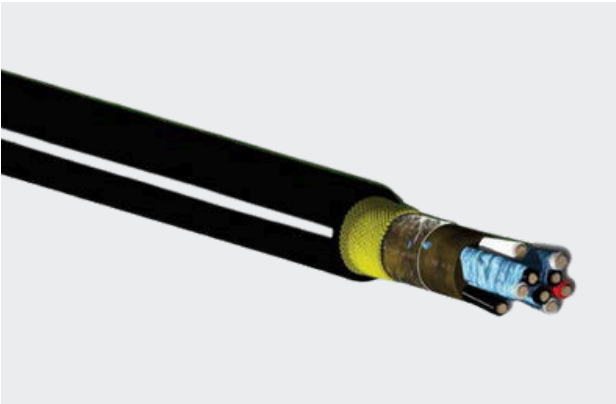


Undersea Instrumentation Cables

Winchester offers standard and custom high-quality, robust undersea instrumentation cable solutions for oceanographic instrument equipment applications.

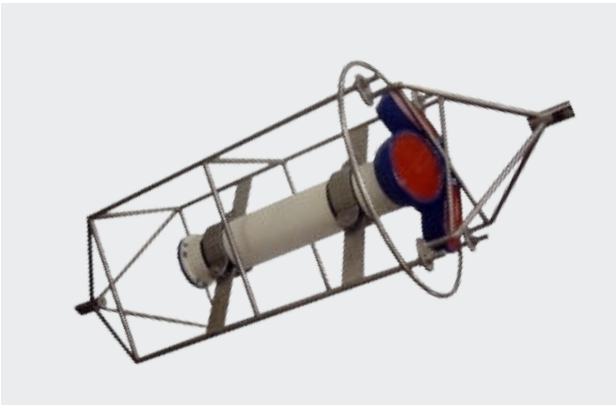


DATA PAIRS

- 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 800 lb. breaking 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 conductors: 600V, data pairs: 300V, depth rating: 2 km



CABLE MANUFACTURING

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

**Noted constructions (Part #) only rated to 500m depth*

Variations of break strengths, jacket types, colors and shields are offered as special order

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