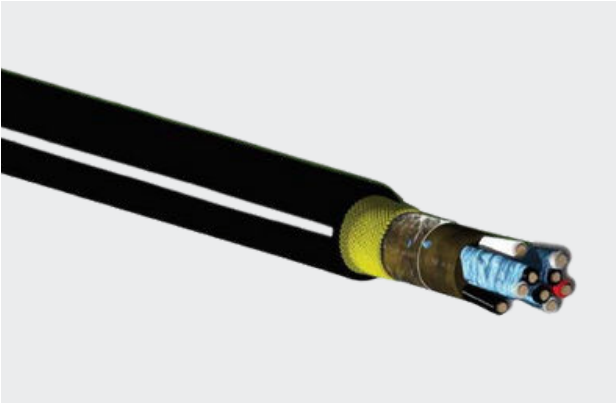


Undersea Instrumentation Cables

Winchester offers standard and custom high-quality, robust undersea instrumentation cable through our Xtreme cable line of products, providing solutions for oceanographic instrument equipment applications.

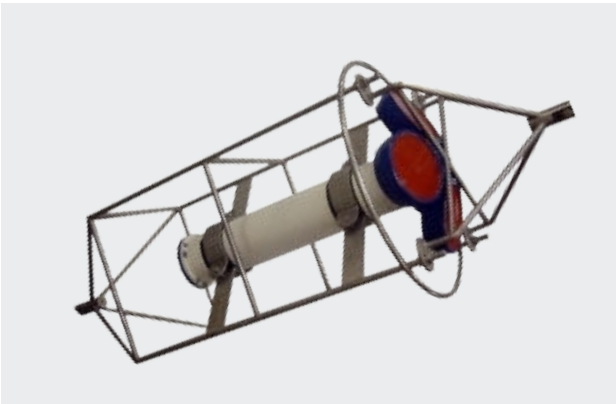


DATA PAIRS

- 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



XTREME CABLE

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

Dayville
349 Lake Road
Dayville, CT 06241

San Marcos
1810 Diamond St.
San Marcos, CA 92078

Empalme, Mexico
Edificio 54 Parque Industrial Bella Vista
Carretera Internacional KM.1969
Empalme, Sonora México, 85340

www.winconn.com

