

UNDERWATER VIDEO CABLES



DESIGN:

Cables jacketed with polyurethane and water blocked for protection against water intrusion and resistance to mechanical stresses. Insulated with a copolymer for long term moisture resistance. Video coax are stranded for extended life and have superior electrical characteristics.

RATING:

-30C to 80C, 600V, (Higher voltage or temps, -50C to 200C may be ordered)
 Bend Radius: Min. 10 x dia. for hard to moderate duty with repeated flexing
 Min. 8 x dia. for light duty, static installations, non-repeat flexing

APPLICATION:

Custom designed underwater video cables for use in ocean exploration, coastal marine environments and other harsh outdoor environments. For use with diver video systems, ROV's, manned subs, remote monitoring and inspection of pipelines, undersea production, nuclear plants, fisheries, dams, and waterways.

ADDITIONAL OPTIONS:

- SJ Stainless steel braided armor over inner jacket and an outer PU jacket for protection against crush/impact, marine boring animals and fish bite.
 - KJ Kevlar strength layer with single jacket or inner/Kevlar/outer jacket.
 Specific break strengths can be ordered.
- * Note: Listed diameters will increase with the order of additional layer options.

FALMAT P/N	COAX TYPE/ AWG	CONDUCTORS COMP. & AWG	OVERALL SHIELD AWG & STRAND	*OPTIONAL LAYER STRENGTH B.S.	JACKET COLOR/ WALL THK	NOMINAL DIAMETER	
						INCH	MM
POLYURETHANE JACKETED VIDEO CABLES							
FM102798-1P	59/22	tp shd-22, 9c-18		Poly Brd 1.2k	YEL/.070"	0.665	17.0
FM102798-1K	59/22	tp shc-22, 9c-18		Kevlar Brd 10k	YEL/.070"	0.670	17.0
FM102798-2	59/22	2c-18, 2c-20	alm/my 100%		ORN/.075"	0.460	11.7
FM102798-3	59/22	2c-16, 2c-20, tp shd-24		Kevlar Fills 1k	BLU/.070"	0.510	13.0
FM102798-4	59/22	3c- 18, 4c- 20			ORN/.065"	0.470	11.9
FM080399-1	mini59/22	tp shd-16, tsp-20, tp-24 1c- 16	alm/my 100%		BLU/.070"	0.440	11.8
FM121295-5	mini59/27	tp shd-16, tsp-20, tp- 24 1c- 16	alm/my100%		ORN/.070"	0.440	11.8
FM121295-7	mini59/22	2c-18, 2c-20, 2c-22	alm/my 100%		ORN/.075"	0.390	9.9
FM012299-1	mini59/27	2c-18, 3c-22 shd alum			ORN/.070"	0.400	10.2
FM012299-2	mini59/22	2c-18, 3c-22 shd alum			ORN/.070"	0.400	10.2
FM020999-4	mini59/28	2c-20		Kevlar Fills .6k	YEL/.060"	0.278	7.6
FM020999-3	mini59/28	2c-26		Kevlar Fills .2k	YEL/.042"	0.210	5.3
FM052099-1	179/30	tp shd-16, tp shd- 20 tp- 24, 1c- 16	alm/my 100%		ORN/.060	0.425	10.8
FM052099-2	179/30	2c- 16, 3c- 22	alm/my 100%		YEL/.055"	0.325	8.3
POLYURETHANE JACKETED SINGLE COAX CABLE							
FM090-896	Mini59-22awg	Single Coax		ss braid armor	Blu .050"	0.280	7.11
FM010-694	Triax 59-22aw	Triax	tc. Braid	Kevlar Braid .6k	Blu .046"	0.280	7.11
FM090-896-2	59-22awg	Single Coax			Blu .050"	0.280	7.11

COAX DESCRIPTIONS & ELECTRICAL CHARACTERISTICS

Coax Type	Cond.	DC. Resist	Atten:	100' db/MHZ	Impedance Nom.	Cap. Pf/ft	Insulation
FM59-22awg	22(7)	15.7	1.4@10	3.9@100	75	22	PE 80c
FMS59-22awg	22(7)	15.7	1.3@10	4.1@100	75	16.7	FPO-xl 80c
FMM59-27awg	27(7)	120.0	2.4@10	5.7@100	75	20.5	PE 80c
FMM59-28awg	28(7)	76.0	2.2@10	7.1@100	75	16.7	FPO-xl 80c
FT179-30awg	30(7)	244.0	5.3@10	10.0@100	75	19.5	TFE 200c



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