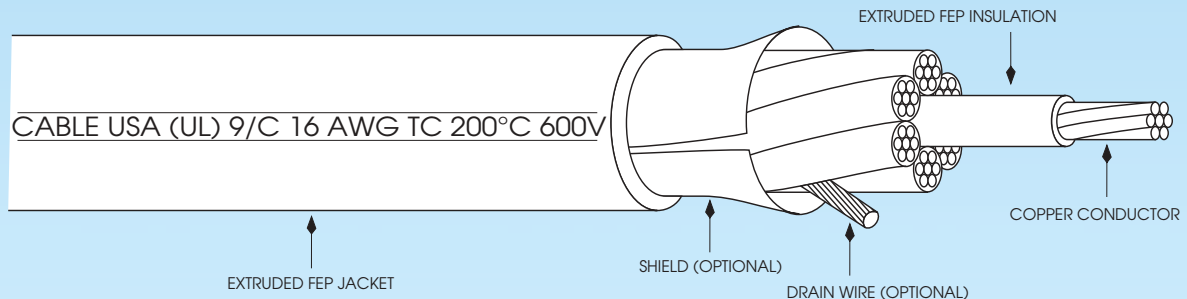


FEP INSULATED INSTRUMENTATION/CONTROL CABLE 600V



PRODUCT FEATURES:

- Multi-conductor Fluorinated Ethylene Propylene (**FEP**). Insulated, shielded or unshielded.
- **FEP**, proven to exceed the requirements of the 70,000 BTU cable tray propagation test (IEEE-383).
- Passes UL VW-1 vertical wire flame propagation test.
- Excellent heat resistance, chemical inertness.
- Superior toughness, flexibility and performance at temperature extremes.

COMPONENTS:

- **Conductors:** Stranded tin-coated copper conductors per ASTM B-8 or ASTM B-33 latest version.
- **Primary Insulation:** Extruded **FEP** in accordance with MIL-W-16878 70% concentricity (minimum). 3.4 KV Spark Test. 6.5 KV Impulse Dielectric Test. 2.0 KV Dielectric Withstanding Voltage.
- **Color Code:** ICEA S-61-402 method 1 is standard, (fully pigmented base colors) conductors 1-6 with tracers after the 6th conductor. Other color codes available upon request.
- **Shielding: (Optional)** Aluminum backed with mylar film with drain wires available for pairs, triads or as an overall shield providing 100% coverage. An optional tin-plated copper braid shield is available overall.
- **Cable Binder:** Overall mylar or PTFE coated glass tape may be applied over the core assembly.
- **Overall Jacket:** Extruded Fluorinated Ethylene Propylene **FEP**. Optional **CABLE USA Cableclad MC** interlocked armor available with or without a jacket.
- **Interlocked Armor:** **Cableclad** zinc coated galvanized steel or aluminum strip turned and "interlocked" with the preceding turn. Tensile strength not more than 70,000 PSI when tested in compliance with ASTM E8.

OPTIONS:

- Aluminum mylar film shielding for pairs, triads or overall shielding.
- Tin-plated copper braid shield (overall).
- CABLE USA **Cableclad** MC interlocked armor (galvanized or aluminum) with or without jacket.

Cable USA, Inc.

2584 So. Horseshoe Dr. / Naples, Florida 34104-6131 / (239) 643-6400 / Fax (239) 643-4230
World Wide Web: <http://www.cableusainc.com> / E-mail: sales@cableusa.cc



200°C

High Temperature Custom Engineered Cables

FEP

INSTRUMENTATION/CONTROL CABLE 600V

DIMENSIONS UNSHIELDED

CABLE USA P/N (UNSHIELDED)	AWG	MM2	NUMBER OF CONDUCTORS	PRIMARY WIRE FINISHED O.D. IN.		NOMINAL O.D. (UNSHIELDED)		APPROX. NET WT.	
				MIN.	MAX	IN.	MM	#/MFT	KG/KM
321802C6	18	.75	2	.064	.074	.184	4.67	26	39
321804C6	18	.75	4	.064	.074	.212	5.38	46	68
321807C6	18	.75	7	.064	.074	.253	6.43	71	105
321809C6	18	.75	9	.064	.074	.296	7.52	89	132
321812C6	18	.75	12	.064	.074	.333	8.46	114	170
321602C6	16	1.5	2	.073	.087	.206	5.23	35	52
321604C6	16	1.5	4	.073	.087	.239	6.07	62	92
321607C6	16	1.5	7	.073	.087	.286	7.26	98	146
321609C6	16	1.5	9	.073	.087	.336	8.53	123	183
321612C6	16	1.5	12	.073	.087	.379	9.63	159	237
321619C6	16	1.5	19	.073	.087	.446	11.33	238	354
321402C6	14	2.5	2	.088	.102	.236	5.99	49	72
321403C6	14	2.2	3	.088	.102	.251	6.38	70	104
321404C6	14	2.5	4	.088	.102	.275	6.99	89	132
321405C6	14	2.5	5	.088	.102	.303	7.70	107	159
321407C6	14	2.5	7	.088	.102	.331	8.41	143	213
321409C6	14	2.5	9	.088	.102	.390	9.91	181	269
321412C6	14	2.5	12	.088	.102	.441	11.20	236	351
321416C6	14	2.5	16	.088	.102	.493	12.52	307	456
321419C6	14	2.5	19	.088	.102	.521	13.23	358	533
321425C6	14	2.5	25	.088	.102	.608	15.44	466	693
321437C6	14	2.5	37	.088	.102	.711	18.06	678	1008
321202C6	12	4	2	.107	.121	.274	6.96	69	103
321203C6	12	4	3	.107	.121	.292	7.42	98	145
321204C6	12	4	4	.107	.121	.321	8.15	126	187
321205C6	12	4	5	.107	.121	.354	8.99	154	229
321207C6	12	4	7	.107	.121	.388	9.86	207	308
321209C6	12	4	9	.107	.121	.459	11.66	263	391
321212C6	12	4	12	.107	.121	.520	13.21	344	512
321216C6	12	4	16	.107	.121	.582	14.78	450	669
321219C6	12	4	19	.107	.121	.616	15.65	528	786
321002C6	10	6	2	.127	.141	.314	7.98	93	138
321003C6	10	6	3	.127	.141	.335	8.51	133	198
321004C6	10	6	4	.127	.141	.369	9.37	171	254
321005C6	10	6	5	.127	.141	.408	10.36	210	312
320802C6	8	10	2	.185	.199	.430	10.92	161	240
320803C6	8	10	3	.185	.199	.461	11.71	231	344
320804C6	8	10	4	.185	.199	.509	12.93	300	446
320805C6	8	10	5	.185	.199	.564	14.33	370	550
320602C6	6	16	2	.286	.301	.632	16.05	295	439
320603C6	6	16	3	.286	.301	.679	17.25	426	634
320604C6	6	16	4	.286	.301	.762	19.35	569	847
320605C6	6	16	5	.286	.301	.847	21.51	702	1044

LARGER SIZES OR COMPOSITE CABLES AVAILABLE

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