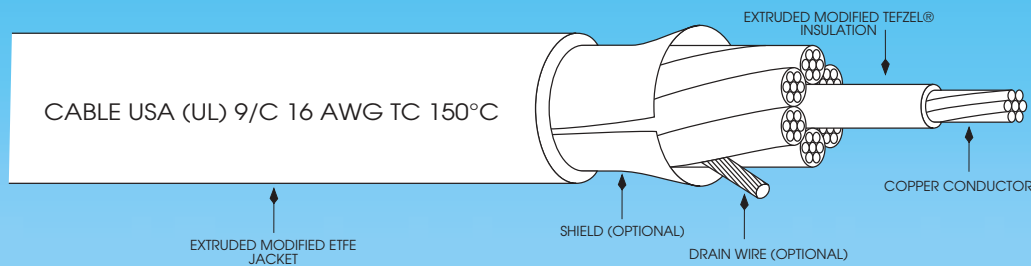




ARTICZEL PLTC Instrumentation Cable

300V



This specification details **Cable USA** Multi-conductor **UL Listed Power Limited Tray Cable** utilizing modified **ETFE** insulation and jackets. This cable is intended for use on Class 2 Power Limited Circuits as described in Article 725 of the National Electrical Code. The cable is constructed in accordance with the Standard for Power Limited Circuit Cable UL 13. May be installed in wet or dry locations and is permitted for use in Class 1 Division II hazardous locations per NEC Article 501-4(b). Cables insulated with **ETFE** have been proven to exceed the requirements of the 70,000 BTU "Cable Tray Propagation Test" per IEEE-383 and passes UL VW-1 Vertical Wire Flame Propagation Test. Rated 300 volts, 90°C damp or dry locations, or 150°C special applications. Passes -50°C Cold Bend and -40°C Cold Impact per CSA C22.2. OSHA Acceptable. Cables insulated with modified **ETFE** Fluoropolymer reduce costly plant shutdowns as a result of conventional cable deterioration due to aggressive chemical attack, high-temperatures, and mechanical damage. **Articzal PLTC** withstands these onslaughts singly or in combination. **Articzal PLTC** remains flexible even in arctic temperatures. **Cable USA Articzal PLTC** are compact and have a low coefficient of friction allowing easy cable pulls. And its toughness provides resistance against cut-through, crush and abrasion. Specify **CableClad** interlocked armor for extreme mechanical protection.

PRODUCT FEATURES:

- **Conductors:** Solid or stranded coated or uncoated soft annealed copper Class B, C, or D per ASTM B-33.
- **Primary Insulation:** Extruded modified ETFE-Ethylene Tetrafluoroethylene Fluoropolymer
- **Color Code:** ICEA S-61-402 Method 1 is standard. (Fully pigmented base color conductors 1-9 with tracers after the 9th conductor). Other color codes are available and must be specified.
- **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 cable core assembly.
- **Overall Jacket:** Extruded modified ETFE-Ethylene Tetrafluoroethylene Fluoropolymer. Optional galvanized steel or aluminum interlocked armor available with or without jacket.

Cable USA, Inc.

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High Temperature Custom Engineered Cables

+150°C

-100°C



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CABLE USA MULTI-CONDUCTOR UL LISTED PLTC (UNSHIELDED)

Part Number	Conductor Size	No. of	Core O.D.	Jkt	Nominal O.D.	Approx. Net Weight
	AWG	Cond.	MILS	MILS	IN.	#/MFT
192202C3.ART	22	2	.096	.010	.116	8
192203C3.ART	22	3	.104	.010	.124	11
192204C3.ART	22	4	.116	.010	.136	14
192205C3.ART	22	5	.130	.010	.150	18
192207C3.ART	22	7	.144	.010	.164	24
192209C3.ART	22	9	.177	.010	.197	31
192212C3.ART	22	12	.203	.010	.223	41
192216C3.ART	22	16	.229	.010	.249	54
192219C3.ART	22	19	.243	.010	.263	63
192225C3.ART	22	25	.287	.012	.311	83
192237C3.ART	22	37	.339	.012	.363	121
192240C3.ART	22	40	.354	.015	.384	133
192250C3.ART	22	50	.395	.015	.425	164
192002C3.ART	20	2	.112	.010	.132	11
192003C3.ART	20	3	.121	.010	.141	16
192004C3.ART	20	4	.135	.010	.155	21
192005C3.ART	20	5	.151	.010	.171	26
192007C3.ART	20	7	.168	.010	.188	35
192009C3.ART	20	9	.206	.010	.226	45
192012C3.ART	20	12	.236	.010	.256	59
192016C3.ART	20	16	.266	.012	.290	79
192019C3.ART	20	19	.283	.012	.307	93
192025C3.ART	20	25	.335	.012	.359	122
191802C3.ART	18	2	.132	.010	.152	15
191803C3.ART	18	3	.143	.010	.163	22
191804C3.ART	18	4	.159	.010	.179	28
191805C3.ART	18	5	.178	.010	.198	35
191807C3.ART	18	7	.198	.010	.218	48
191809C3.ART	18	9	.242	.010	.262	62
191812C3.ART	18	12	.278	.012	.302	83
191816C3.ART	18	16	.313	.012	.337	108
191819C3.ART	18	19	.333	.012	.357	128
191825C3.ART	18	25	.394	.015	.424	170

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