FEP/FEP Instrumentation Shielded Multi Conductor Tray Cable

Flexible Instrumentation Shielded Multi Conductor, 600 Volts, 200°C Dry Special Applications

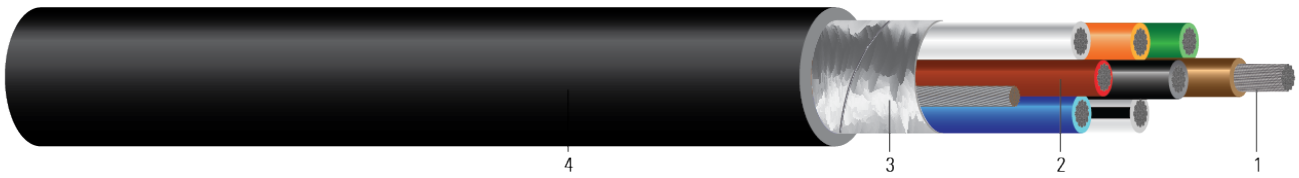


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Class B stranding per ASTM B8. Tinned, annealed copper per ASTM B33
2. **Insulation:** Extruded fluorinated ethylene propylene (FEP)
3. **Shielding:** Aluminum mylar shield and drain wire is applied over the core
4. **Overall Jacket:** Extruded fluorinated ethylene propylene (FEP)

APPLICATIONS AND FEATURES:

For use as a 600 volt, multi conductor instrumentation cable where flame retardance, Moisture/Chemical resistance, and high temperature rating is critical. Cable can be installed in free air, in raceways or direct burial.The cable is also approved for damp or dry locations as well as Class 1 Division II industrial hazardous locations per NEC 501-4(b) for (UL) Type tray cables (TC).

Temperature rating of 200°C dry for special applications. Excellent electrical properties, chemical resistance, resistance to fluids, and flame resistance. Resistant to crush, compression and deformation. Low coefficient of friction makes installation easier. Good mechanical strength. Flexible. E1 per ICEA S-73-532 Table E1 (Old K1). E2 per ICEA S-73-532 Table E2 (Old K2).

SPECIFICATIONS:

- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- UL 1277 Vertical Cable Tray Flame Tests (70,000 BTU/Hr)
- ICEA T-29-520 Flame Test (210,000 BTU/Hr)
- IEEE 383 Flame Test (70,000 btu)
- IEEE 1202/FT4 Flame Test (70,000 BTU/hr) 350kcmil and Larger
- RoHS-3 Complies with European Directive 2015/863
- VW-1 (Vertical-Wire) Flame Test

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Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Number	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Temp. Rating	Standard (UL or other)
	AWG/Kcmil	No.	mil	mil	inch	lb/1000ft	°C	Style/Type
C5F000	18	2	20	45	0.275	50	200	UL
C5F005	18	3	20	45	0.290	65	200	UL
C5F010	18	4	20	45	0.310	80	200	UL
C5F015	18	5	20	45	0.325	90	200	UL
C5F020	18	7	20	45	0.360	115	200	UL
C5F025	18	9	20	45	0.400	140	200	UL
C5F030	18	12	20	45	0.465	180	200	UL
C5F035	18	15	20	45	0.515	220	200	UL
C5F040	18	19	20	45	0.575	290	200	UL
C5F050	18	37	20	45	0.750	500	200	UL
C5F100	16	2	20	45	0.295	70	200	UL
C5F105	16	3	20	45	0.310	85	200	UL
C5F110	16	4	20	45	0.335	100	200	UL
C5F115	16	5	20	45	0.365	115	200	UL
C5F120	16	7	20	45	0.395	145	200	UL
C5F125	16	9	20	45	0.455	180	200	UL
C5F130	16	12	20	45	0.505	225	200	UL
C5F135	16	15	20	45	0.595	300	200	UL
C5F140	16	19	20	60	0.625	360	200	UL
C5F150	16	37	20	60	0.820	630	200	UL

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item

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Table 2 – Weights and Measurements (Metric)

Stock Number	Cond. Size	Cond. Number	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Temp. Rating	Standard (UL or other)
	AWG/Kcmil	No.	mm	mm	mm	kg/km	°C	Style/Type
C5F000	18	2	0.51	1.14	6.99	74	200	UL
C5F005	18	3	0.51	1.14	7.37	97	200	UL
C5F010	18	4	0.51	1.14	7.87	119	200	UL
C5F015	18	5	0.51	1.14	8.25	134	200	UL
C5F020	18	7	0.51	1.14	9.14	171	200	UL
C5F025	18	9	0.51	1.14	10.16	208	200	UL
C5F030	18	12	0.51	1.14	11.81	268	200	UL
C5F035	18	15	0.51	1.14	13.08	327	200	UL
C5F040	18	19	0.51	1.14	14.60	432	200	UL
C5F050	18	37	0.51	1.14	19.05	744	200	UL
C5F100	16	2	0.51	1.14	7.49	104	200	UL
C5F105	16	3	0.51	1.14	7.87	126	200	UL
C5F110	16	4	0.51	1.14	8.51	149	200	UL
C5F115	16	5	0.51	1.14	9.27	171	200	UL
C5F120	16	7	0.51	1.14	10.03	216	200	UL
C5F125	16	9	0.51	1.14	11.56	268	200	UL
C5F130	16	12	0.51	1.14	12.83	335	200	UL
C5F135	16	15	0.51	1.14	15.11	446	200	UL
C5F140	16	19	0.51	1.52	15.88	536	200	UL
C5F150	16	37	0.51	1.52	20.83	938	200	UL