FEP/FEP Instrumentation Shielded Triads Tray Cable

Flexible Instrumentation Shielded Triads, 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. **Twisted Triad:** Conductors twisted together with a drain wire and alum/mylar shield
4. **Shielding:** Aluminum mylar shield and drain wire is applied over the core
5. **Overall Jacket:** Extruded fluorinated ethylene propylene (FEP)

APPLICATIONS AND FEATURES:

For use as a 600 volt, Multi Triad 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. Triads are black, white and red with pair number printed on the white conductor.

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	Number of Triads	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
C5F005	18	1	20	45	0.290	65	200	UL Type TC
C5FT00	18	2	20	45	0.460	135	200	UL Type TC
C5FT05	18	4	20	60	0.570	245	200	UL Type TC
C5FT10	18	6	20	60	0.645	335	200	UL Type TC
C5FT15	18	8	20	60	0.720	420	200	UL Type TC
C5FT20	18	12	20	60	0.850	595	200	UL Type TC
C5FT25	18	16	20	80	1.000	815	200	UL Type TC
C5FT30	18	24	20	80	1.190	1152	200	UL Type TC
C5F105	16	1	20	45	0.310	85	200	UL Type TC
C5FT50	16	2	20	45	0.500	165	200	UL Type TC
C5FT55	16	4	20	60	0.620	310	200	UL Type TC
C5FT60	16	6	20	60	0.700	415	200	UL Type TC
C5FT65	16	8	20	60	0.830	575	200	UL Type TC
C5FT70	16	12	20	60	0.975	800	200	UL Type TC
C5FT75	16	16	20	80	1.100	1025	200	UL Type TC
C5FT80	16	24	20	80	1.300	1465	200	UL Type TC

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

Table 2 – Weights and Measurements (Metric)

Stock Number	Cond. Size	Number of Triads	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
C5F005	18	1	0.51	1.14	7.37	97	200	UL Type TC
C5FT00	18	2	0.51	1.14	11.68	201	200	UL Type TC
C5FT05	18	4	0.51	1.52	14.48	365	200	UL Type TC
C5FT10	18	6	0.51	1.52	16.38	499	200	UL Type TC
C5FT15	18	8	0.51	1.52	18.29	625	200	UL Type TC
C5FT20	18	12	0.51	1.52	21.59	885	200	UL Type TC
C5FT25	18	16	0.51	2.03	25.40	1213	200	UL Type TC
C5FT30	18	24	0.51	2.03	30.23	1714	200	UL Type TC
C5F105	16	1	0.51	1.14	7.87	126	200	UL Type TC
C5FT50	16	2	0.51	1.14	12.70	246	200	UL Type TC
C5FT55	16	4	0.51	1.52	15.75	461	200	UL Type TC
C5FT60	16	6	0.51	1.52	17.78	618	200	UL Type TC
C5FT65	16	8	0.51	1.52	21.08	856	200	UL Type TC
C5FT70	16	12	0.51	1.52	24.76	1191	200	UL Type TC
C5FT75	16	16	0.51	2.03	27.94	1525	200	UL Type TC
C5FT80	16	24	0.51	2.03	33.02	2180	200	UL Type TC

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