TCU 600V FEP Insulation FEP Jacket. 200ºC Dry

Flexible 600 Volt Control Cable, 200°C Dry Special Applications

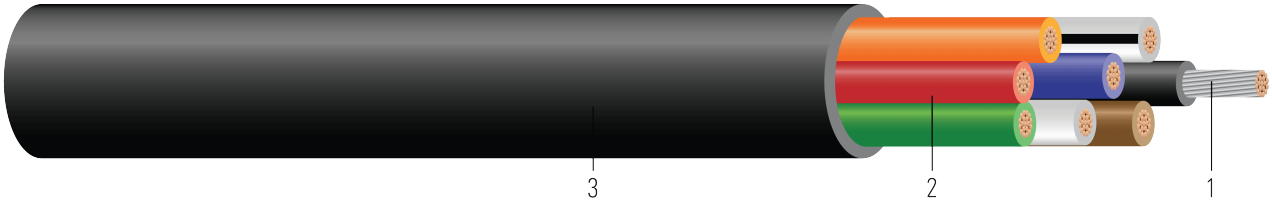

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Class B stranding per ASTM B8. Tinned, annealed copper per ASTM B33
2. **Insulation:** Extruded fluorinated ethylene propylene (FEP)
3. **Overall Jacket:** Extruded fluorinated ethylene propylene (FEP)

APPLICATIONS AND FEATURES:

For use as a 600 volt, Multi conductor control 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. Available with insulated ground wires. Available with E1 per ICEA S-73-532 Table E1 (Old K1) or E2 per ICEA S-73-532 Table E2 (Old K2) color code.

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
C5F200	14	2	20	45	0.320	65	200	UL Type TC
C5F205	14	3	20	45	0.340	100	200	UL Type TC
C5F210	14	4	20	45	0.370	120	200	UL Type TC
C5F220	14	7	20	45	0.435	185	200	UL Type TC
C5F230	14	12	20	60	0.585	320	200	UL Type TC
C5F240	14	19	20	60	0.700	475	200	UL Type TC
C5F245	14	25	20	60	0.785	600	200	UL Type TC
C5F250	14	37	20	80	0.965	905	200	UL Type TC
C5F300	12	2	20	45	0.360	90	200	UL Type TC
C5F305	12	3	20	45	0.380	125	200	UL Type TC
C5F310	12	4	20	45	0.415	160	200	UL Type TC
C5F320	12	7	20	45	0.495	250	200	UL Type TC
C5F330	12	12	20	60	0.660	435	200	UL Type TC
C5F340	12	19	20	60	0.795	650	200	UL Type TC
C5F345	12	25	20	80	0.935	880	200	UL Type TC
C5F350	12	37	20	80	1.095	1245	200	UL Type TC
C5F400	10	2	20	45	0.405	120	200	UL Type TC
C5F405	10	3	20	45	0.410	175	200	UL Type TC
C5F410	10	4	20	45	0.470	225	200	UL Type TC
C5F420	10	7	20	60	0.600	390	200	UL Type TC
C5F430	10	12	20	60	0.750	625	200	UL Type TC
C5F440	10	19	20	80	0.950	1000	200	UL Type TC

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
C5F200	14	2	0.51	1.14	8.13	97	200	UL Type TC
C5F205	14	3	0.51	1.14	8.64	149	200	UL Type TC
C5F210	14	4	0.51	1.14	9.40	179	200	UL Type TC
C5F220	14	7	0.51	1.14	11.05	275	200	UL Type TC
C5F230	14	12	0.51	1.52	14.86	476	200	UL Type TC
C5F240	14	19	0.51	1.52	17.78	707	200	UL Type TC
C5F245	14	25	0.51	1.52	19.94	893	200	UL Type TC
C5F250	14	37	0.51	2.03	24.51	1347	200	UL Type TC
C5F300	12	2	0.51	1.14	9.14	134	200	UL Type TC
C5F305	12	3	0.51	1.14	9.65	186	200	UL Type TC
C5F310	12	4	0.51	1.14	10.54	238	200	UL Type TC
C5F320	12	7	0.51	1.14	12.57	372	200	UL Type TC
C5F330	12	12	0.51	1.52	16.76	647	200	UL Type TC
C5F340	12	19	0.51	1.52	20.19	967	200	UL Type TC
C5F345	12	25	0.51	2.03	23.75	1310	200	UL Type TC
C5F350	12	37	0.51	2.03	27.81	1853	200	UL Type TC
C5F400	10	2	0.51	1.14	10.29	179	200	UL Type TC
C5F405	10	3	0.51	1.14	10.41	260	200	UL Type TC
C5F410	10	4	0.51	1.14	11.94	335	200	UL Type TC
C5F420	10	7	0.51	1.52	15.24	580	200	UL Type TC
C5F430	10	12	0.51	1.52	19.05	930	200	UL Type TC
C5F440	10	19	0.51	2.03	24.13	1488	200	UL Type TC