ETFE/ETFE Power Tray Cable

Flexible Power - Multi Conductor, 600 Volts, 150°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 ethylene -tetrafluoroethylene (ETFE) ICEA Method 4
3. **Ground:** Uninsulated ground wire
4. **Binder:** Binder tape is applied over the core
5. **Overall Jacket:** Extruded ethylene -tetrafluoroethylene (ETFE)

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 150°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. Per ICEA Method 4. Available with E1 or E2 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
- 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
C5Z302	12	2	15	45	0.340	105	150	UL Type TC
C5Z306	12	3	15	45	0.360	130	150	UL Type TC
C5Z311	12	4	15	45	0.390	155	150	UL Type TC
C5Z402	10	2	20	45	0.410	150	150	UL Type TC
C5Z406	10	3	20	45	0.430	190	150	UL Type TC
C5Z411	10	4	20	45	0.470	235	150	UL Type TC
C5Z500	8	2	25	45	0.480	205	150	UL Type TC
C5Z505	8	3	25	45	0.510	270	150	UL Type TC
C5Z510	8	4	25	60	0.595	365	150	UL Type TC
C5Z525	6	2	25	60	0.600	325	150	UL Type TC
C5Z530	6	3	25	60	0.635	425	150	UL Type TC
C5Z535	6	4	25	60	0.700	530	150	UL Type TC
C5Z550	4	2	25	60	0.700	445	150	UL Type TC
C5Z555	4	3	25	60	0.740	600	150	UL Type TC
C5Z560	4	4	25	60	0.815	755	150	UL Type TC
C5Z575	2	2	35	80	0.900	720	150	UL Type TC
C5Z580	2	3	35	80	0.950	970	150	UL Type TC
C5Z585	2	4	35	80	1.045	1225	150	UL Type TC

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

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
C5Z302	12	2	0.38	1.14	8.64	156	150	UL Type TC
C5Z306	12	3	0.38	1.14	9.14	193	150	UL Type TC
C5Z311	12	4	0.38	1.14	9.91	231	150	UL Type TC
C5Z402	10	2	0.51	1.14	10.41	223	150	UL Type TC
C5Z406	10	3	0.51	1.14	10.92	283	150	UL Type TC
C5Z411	10	4	0.51	1.14	11.94	350	150	UL Type TC
C5Z500	8	2	0.64	1.14	12.19	305	150	UL Type TC
C5Z505	8	3	0.64	1.14	12.95	402	150	UL Type TC
C5Z510	8	4	0.64	1.52	15.11	543	150	UL Type TC
C5Z525	6	2	0.64	1.52	15.24	484	150	UL Type TC
C5Z530	6	3	0.64	1.52	16.13	632	150	UL Type TC
C5Z535	6	4	0.64	1.52	17.78	789	150	UL Type TC
C5Z550	4	2	0.64	1.52	17.78	662	150	UL Type TC
C5Z555	4	3	0.64	1.52	18.80	893	150	UL Type TC
C5Z560	4	4	0.64	1.52	20.70	1124	150	UL Type TC
C5Z575	2	2	0.89	2.03	22.86	1071	150	UL Type TC
C5Z580	2	3	0.89	2.03	24.13	1444	150	UL Type TC
C5Z585	2	4	0.89	2.03	26.54	1823	150	UL Type TC

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