

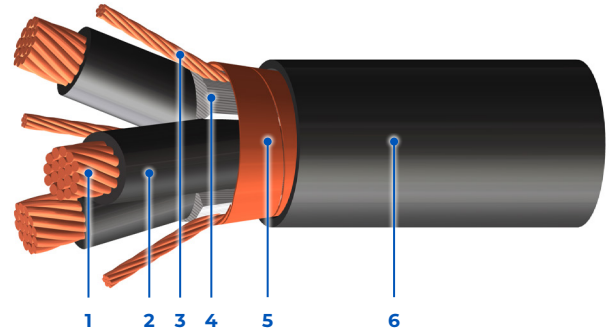
UL Type TC Tray VFD, Multi-Conductor, 600/1000 V

Shawflex VFD cables are the preferred power cables for AC Drives. These cables are primarily used between Pulse Width Modulation (PWM) inverters and AC motors. Shawflex VFD Tray cables are suitable for use in raceways, including ventilated, non-ventilated, indoor/outdoor and ladder-type cable trays in wet/dry locations and are applicable in Industrial and Processing facilities.

Standards:



TC-ER



1 – Stranded Bare (ASTM B8) Annealed Copper Conductors
2 – FR XLPE (XHHW-2 Rated) Insulated Conductors
3 – Tri-sectional Grounding Conductors

4 – Polypropylene Fillers
5 – Dual Helically Applied Bare/Tin-coated Copper Tape Shield
6 – FR PVC Outer Protective Jacket

Product Construction

Insulation:

- FR XLPE (XHHW-2 rated) rated: 90°C wet/dry

Shielding:

- Dual helically applied copper tape shield

Jacket:

- FR PVC outer black or yellow jacket (standard) rated: 90°C to -40°C
- Thermoset CPE (optional)
- Thermoplastic CPE (optional)
- Thermoplastic LSZH (optional)

Available in:

- Custom insulation/jacket colors
- TC-ER (optional)

Certification/Compliances

- UL 1277, Tray Cable (TC-ER)
- UL 44, Thermoset Insulated Wires and Cables
- UL 1685/FT4, Vertical Tray Flame Test rated (optional)
- IEEE 1202/383 (70,000 BTU/hr), Vertical Flame Test rated (optional)
- ICEA T-30-520 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (XHHW-2 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colors)
- Direct burial rated
- 40°C cold bend rated
- Rated for use in hazardous locations:
 - Class I Zone 2 (Div 2)
 - Class II Zone 20, 21 (Div 1)
 - Class II Zone 22 (Div 2)

600/ 1000 V

Voltage
(1000 V optional)

Color Coding

- 3C – Black, # coded
- Method 4 (optional)

UL Type TC-ER

VFD Power

UL Type TC Tray VFD, Multi-Conductor, 600/1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND WIRE SIZE (UNINSULATED)	NORMAL DIAMETERS OVERALL CABLE	CABLE WEIGHT	AMPACITY	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		(AWG/kcmil)	(AWG/kcmil)	(in/mm)	(lbs/1000ft) (kg/km)	(30°C ambient)	(lb/kg)	(in/mm)
2C01HU1203003DR	3	12	3 x 16	0.439 / 11.1	166 / 247	30	157 / 71	7.9 / 201
2C01HU1003003DR	3	10	3 x 14	0.500 / 12.7	247 / 368	40	249 / 113	9 / 229
2C01HU0803003DR	3	8	3 x 14	0.657 / 16.7	376 / 560	55	397 / 180	11.8 / 300
2C013U0603003DR	3	6	3 x 12	0.737 / 18.7	524 / 780	75	629 / 285	13.3 / 337
2C013U0403003DR	3	4	3 x 12	0.838 / 21.3	714 / 1063	95	1002 / 454	15.1 / 383
2C013U0203003DR	3	2	3 x 10	1.003 / 25.5	1074 / 1598	130	1593 / 723	18 / 458
2C013U0103403DR	3	1	3 x 10	1.129 / 28.7	1298 / 1932	145	2009 / 911	20.3 / 516
2C013U1/03403DR	3	1/0	3 x 10	1.215 / 30.9	1563 / 2326	170	2534 / 1150	21.9 / 556
2C013U2/03403DR	3	2/0	3 x 10	1.308 / 33.2	1864 / 2773	195	3194 / 1449	23.5 / 598
2C013U3/03403DR	3	3/0	3 x 8	1.418 / 36.0	2301 / 3425	225	4007 / 1818	25.5 / 648
2C013U4/03403DR	3	4/0	3 x 8	1.538 / 39.1	2784 / 4143	260	5078 / 2304	27.7 / 703
2C013U2503603DR	3	250	3 x 8	1.680 / 42.7	3240 / 4821	290	6000 / 2722	30.2 / 768
2C013U3503603DR	3	350	3 x 6	1.961 / 49.8	4538 / 6753	350	8400 / 3810	35.3 / 897
2C013U5003603DR	3	500	3 x 6	2.236 / 56.8	6128 / 9120	430	12000 / 5443	40.3 / 1023
2C013U7503603DR	3	750	3 x 4	2.686 / 68.2	8729 / 12990	535	18000 / 8165	48.3 / 1228

*Ampacity value based on National Electrical Code, Version 2020, Table 310.16. Values are corrected according to Table 310.15(C)(1) for number of Conductors