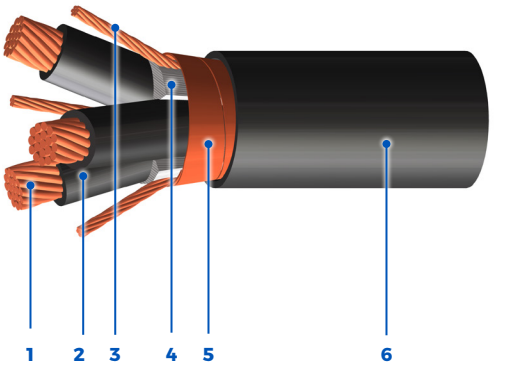
CSA Unarmoured Tray VFD, Multi-Conductor, 1000 V

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:



1 – Strand Bare (ASTM B8) Annealed Copper Conductors

2 – XLPE (RW90 Rated) Insulated Conductor

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:
- XLPE (RW90 rated) rated: 90˚C wet/105˚C dry

Shielding:
- Dual helically applied copper tape shield

Jacket:
- FR PVC outer black or yellow jacket (standard) rated: 90˚C to -40˚C

Available in:
- Custom insulation/jacket colours
- LSZH Jacket

Certification/ Compliances

- CSA C22.2 #230, Tray Cable
- C22.2 #239, Instrumentation, (CIC)
- CSA C22.2 #38, Thermoset Insulated Wires & Cables (XLPE)
- CSA FT4, UL 1685 FT4, Vertical Tray Flame Test rated
- IEEE 383 & 1202 (70,000 BTU/hr), Vertical Flame Test rated
- ICEA T-30-520 (70,000 BTU/hr), Vertical Flame Test rated
- UV sunlight resistant “SUN RES” (all colours)
- Direct burial rated
- - 40˚C cold bend/impact rated
- Rated for use in hazardous locations:
  - Class I Zone 0 (Intrinsically Safe cables only)
  - Class 1 Zone 2 (Div 2)

1000 V

Voltage

Optional: 600/2000 V

CSA Type TC

VFD Power

Color Coding

- 3C – Black, # coded

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PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND WIRE SIZE	NOMINAL DIAMETER 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*
4D01HM1203000DR	3	12	18	0.503 / 12.78	178 / 266	30	157 / 71	9.1 / 230
4D01HM1003000DR	3	10	16	0.595 / 15.11	276/410	40	249 / 113	10.7 / 272
4D01HM0803000DR	3	8	14	0.657 / 16.69	377/561	55	397 / 180	11.8 / 300
4D013M0603000DR	3	6	12	0.801 / 20.35	561/834	75	629 / 285	14.4 / 366
4D013M0403000DR	3	4	12	0.942 / 23.94	788/1173	95	1002 / 454	17 / 431
4D013M0203000DR	3	2	10	1.067 / 27.1	1111/1653	130	1593 / 723	19.2 / 488
4D013M0103400DR	3	1	10	1.237 / 31.42	1394/2075	145	2009 / 911	22.3 / 566
4D013M1/03400DR	3	1/0	10	1.323 / 33.6	1643/2446	170	2534 / 1150	23.8 / 605
4D013M2/03400DR	3	2/0	10	1.415 / 35.95	1965/2925	195	3194 / 1449	25.5 / 647
4D013M3/03400DR	3	3/0	8	1.525 / 38.74	2409/3584	225	4007 / 1818	27.5 / 697
4D013M4/03400DR	3	4/0	8	1.645 / 41.79	2896/4310	260	5078 / 2304	29.6 / 752
4D013M2503600DR	3	250	8	1.847 / 46.92	3379/5028	290	6000 / 2722	33.3 / 845
4D013M3503600DR	3	350	6	2.069 / 52.55	4669/6949	350	8400 / 3810	37.2 / 946
4D013M5003600DR	3	500	6	2.344 / 59.54	6305/9383	430	12000 / 5443	42.2 / 1072
4D013M7503600DR	3	750	6	2.729 / 69.31	8638/12855	535	18000 / 8165	49.1 / 1248

*Ampacity value based on Canadian Electrical Code, Version 2018, Table-2.

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