

# OLFLEX® VFD SYMMETRICAL

Oil Resistant Motor Supply Cable for  
Large HP VFD Drives with UL & CSA TC Approval



OLFLEX® VFD Symmetrical is a large AWG VFD cable designed with 3 symmetrical grounds and a longitudinal copper tape shield. It is UL TC-ER and CSA TC approved. OLFLEX® VFD Symmetrical is available from 1 AWG to 500 KCMIL for 75 HP drives and larger.

**Recommended Applications:**

VFD drive and motor connections for large HP applications, HVAC, Large presses, any on/off applications using a VFD drive and motor

**Application Advantage:**

- 100% copper tape shield for EMI/RFI protection
- UL TC-ER & c(UL) CIC TC approved
- MSHA approved
- 3 ground design for optimal electrical performance
- More flexible than Metal Clad and corrugated armor cables

**OLFLEX® VFD SYMMETRICAL (3 power + 3 symmetrical grounds) Construction:**

Bare stranded copper; XLPE insulation; 3 bare stranded ground conductors; longitudinal corrugated copper tape shield; black PVC jacket.



**Cable Attributes, See Page 653**

Oil Resistance: OR-02	Flame Resistance: FR-03
Motion Type: FL-01	Mechanical Properties: MP-03

**Availability:**

Standard put-ups are 100ft, 250ft, and 500ft. Bulk reels can be cut to length.

**Complete the installation with:**

VFD Selection Guide: Page 685	EPIC® Connectors: Page 251
SKINTOP® Strain Relief: Page 486	SKINTOP® BRUSH: Page 506

See OLFLEX® SERVO 2YSLCY-JB & 9YSLCY-JB for improved flexibility.

**Technical Data:**

- |  |  |             |  |
|--|--|-------------|--|
| Minimum Bending Radius for flexible use: | 15 x cable diameter                          | Color Code: | Three black conductors with white numbers, printed one, two and three plus 3 symmetrical grounds |
| Temperature Range:                       | -20°C to +90°C                               | Approvals:  | UL: - Type TC-ER<br>- UL Standard 1277, UL Standard 44<br>- Sunlight resistant and direct burial |
| Nominal Voltage:                         | 600V- UL TC<br>1000V- TC Wind Turbine (WTTC) | CSA:        | - c(UL) CIC/TC FT4   |
| Conductor Stranding:                     | Class B Stranding                            | Additional: | - MSHA: P-07-KA050010-MSHA   |

Part Number	3 Symmetrical Grounds	Diameter Over Shield		Nominal Outer Diameter		Copper Weight	Approx. Weight		SKINTOP® MS-SC-M Brush (Metric) Page 506
		inches	mm	inches	mm	lbs/mft	lbs/mft	kg/km	
1 AWG (13/.0718 + 6/.0256)									
760103	8 AWG	1.05	26.7	1.25	32.5	1024	1427	2124	53112679
1/0 AWG (19/.0745)									
761103	6 AWG	1.15	29.2	1.35	34.8	1337	1764	2625	53112679
2/0 AWG (19/.0837)									
762203	6 AWG	1.21	30.7	1.43	36.3	1606	2077	3091	53112679
3/0 AWG (19/.0940)									
763303	4 AWG	1.32	33.5	1.55	39.4	2091	2599	3868	53112679
4/0 AWG (19/.1055)									
764403	4 AWG	1.43	36.3	1.66	42.2	2515	3093	4603	53112680
250 KCMIL (37/.0822)									
762503	4 AWG	1.57	39.9	1.88	47.8	3022	3791	5641	53112680
350 KCMIL (37/.0973)									
763503	2 AWG	1.81	46.0	2.00	50.8	4224	5020	7470	53112681
500 KCMIL (37/.1162)									
765003	1/0 AWG	2.08	52.8	2.43	61.6	6058	7012	10435	53112681