OLFLEX® VFD

Oil Resistant Flexible Motor Supply Cable For Variable Frequency Drives 1000 Volts; Bus Drop Cable

OLFLEX® VFD is an extremely oil resistant, UV resistant shielded motor cable for VFD Drives. It is designed with "Lapp Surge Guard" to smooth out the stranded copper and disperse increases in voltage caused by wave reflection, harmonics, in-rush current and spikes preventing conductor and cable failure.

Recommended Applications:
VFD drive and motor connections, Web presses, HVAC, Conveyors, any on/off applications using a VFD drive and motor

Application Advantage:
- "Lapp Surge Guard" protection to eliminate cable failure due to electrical disturbances
- Industrial Grade PVC jacket passing Oil Res I & II
- Inner jacket for additional mechanical protection
- Corona Inception Voltage is 2900 volts
- Double shielded for extra protection

OLFLEX® VFD Construction:

Finely stranded tinned copper conductors; specially blended "Lapp Surge Guard" insulation; an inner PVC jacket; 100% shielding with foil tape and tinned copper braid (85% coverage); specially formulated orange PVC jacket.

Cable Attributes, See Page 653


Oil Resistance: OR-03


Flame Resistance: FR-02


Motion Type: FL-01


Mechanical Properties: MP-02

Availability:


Standard put-ups are 100ft, 250ft, 500ft, and 1,000ft. Bulk reels can be cut to length.

Complete the installation with:

VFD Selection Guide: Page


EPIC® Connectors: Page 251


SKINTOP® BRUSH: Page 506


SKINTOP® MS-SCL: Page 504

Technical Data:

Minimum Bending Radius for flexible use:	12 x cable diameter
Temperature Range:	-25°C to +90°C
Nominal Voltage:	1000VAC/ 2000VAC Peak
Test Voltage:	7500V
Conductor Stranding:	Fine Wire
Color Code:	Three black conductors with white numbers, plus green/yellow ground
Approvals:	UL: - (UL) Flexible Motor Supply Cable - Type MTW, NFPA 79 2007 - Bus Drop Cable: 14 AWG to 2 AWG - Submersible pump (14 AWG or larger) - Passes Impact and Crush test to UL 1277 CSA: - AWM II A/B FT 1 Additional: - ICEA: T-24-380, Corona test

Part Number	Number of Conductors includes ground	Conductor Diameter inches	Inner Jacket Diameter inches	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km	SKINTOP® MS-SCL (PG) Page 504	SKINTOP® MS-SC-M Brush (Metric) Page 506
18 AWG (19/30) 1.00 mm²										
701804	4	.104	.324	.450	11.4	35	115	171	53112340	53112676
16 AWG (26/30) 1.32 mm²										
701604	4	.117	.355	.513	13.0	48	150	223	53112340	53112676
14 AWG (41/30) 2.08 mm²										
701404	4	.134	.396	.554	14.1	78	224	333	53112350	53112676
12 AWG (65/30) 3.30 mm²										
701204	4	.158	.454	.612	15.5	121	268	399	53112350	53112676
10 AWG (105/30) 5.32 mm²										
701004	4	.200	.556	.734	18.6	173	428	637	53112360	53112677
8 AWG (168/30) 8.52 mm²										
700804	4	.276	.740	.936	23.9	279	561	835	53112360	53112678
6 AWG (266/30) 13.5 mm²										
700604	4	.320	.845	1.051	26.7	435	802	1193	-	53112678
4 AWG (413/30) 21.0 mm²										
700404	4	.400	1.040	1.243	31.6	613	1205	1793	-	53112679
2 AWG (665/30) 33.7 mm²										
700204	4	.472	1.214	1.464	37.2	945	1703	2534	-	53112680