

OLFLEX® - VFD

Oil Resistant Flexible Motor Supply Cable
For Variable Frequency Drives
1000 Volts/3000 Volts Peak

(UL)

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Olflex® - VFD is a shielded, flexible motor supply cable for variable speed drives subject to non-linear power distortions. This cable is used to interconnect an AC variable frequency drive or control system, to an AC variable frequency motor. The VFD cable is different from other motor supply cables because it can disperse the voltage spikes, harmonics, and power distortions associated with

variable frequency drives. Specially formulated composite insulation disperses voltage spikes preventing cable damage. An inner jacket is used to protect the insulation from the braid shield and to lower the capacitive interaction between the shield and power conductors. The outer orange jacket is extremely oil resistant and UV resistant.

Construction:

Tinned copper conductors; specially blended composite insulation; an inner PVC jacket; 100% shielding with foil tape and tinned copper braid; specially formulated orange PVC jacket.



Technical Data:

Minimum bend radius for flexible use:	12 x cable diameter	Conductor Stranding:	Fine Wire
Temperature range:	-25°C to +90°C	Color code:	Three Black Conductors with White Numbers and One Green/Yellow Ground
Rated voltage:	1000 VAC/3000 VAC Peak	Conductor	
Test voltage:	7500 V	Approvals:	(UL) Flexible Motor Supply Cable

Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Approx. Weight	lbs/mft	kg/km
		inches	mm			
14 AWG (41/30) 1404 VFD	4	.560	14.2		224	333
12 AWG (65/30) 1204 VFD	4	.604	15.3		268	399
10 AWG (105/30) 1004 VFD	4	.732	18.6		428	637
8 AWG (133/29) 0804 VFD	4	.869	22.1		561	835
6 AWG (133/27) 0604 VFD	4	1.011	25.7		802	1193
4 AWG (133/25) 0404 VFD	4	1.185	30.1		1205	1793
3 AWG (133/24) 0304 VFD	4	1.394	35.5		1460	2172
2 AWG (133/0.223) 0204 VFD	4	1.404	35.7		1703	2534

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