ÖLFLEX® VFD with Signal

Flexible VFD Cable with a Pair for Brake or Temperature Sensor

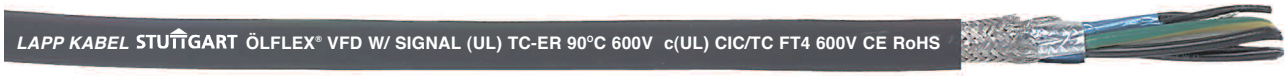
ÖLFLEX® VFD with Signal is an extremely oil-resistant, UV-resistant, shielded motor cable for VFD drives. It has an additional shielded pair for VFD drives with a brake or temperature sensor. ÖLFLEX® VFD with Signal is designed with "Lapp Surge Guard" insulation to smooth out the stranded copper and disperse increases in voltage and has an elastomeric alloy jacket for industrial applications.

Recommended Applications:
VFD drive and motor connections with temperature sensors or brake mechanisms; web presses; HVAC; any on/off applications using a VFD drive and motor

Application Advantage:
- Industrial grade & chemical-resistant elastomeric alloy jacket passes Oil Res I & II
- Shielded pair for brake or temperature sensor
- Corona inception voltage is 2900 V
- Double shielded for extra protection
- UL TC-ER & c(UL)CIC/TC approved

ÖLFLEX® VFD with Signal Construction:

Finely stranded tinned copper conductors; specially formulated "Lapp Surge Guard" insulation; pair is specially blended PVC insulation with a foil shield and drain wire; barrier tape; 100% shielding with a foil tape and tinned copper braid (85% coverage) with drain wire, specially formulated oil and chemical resistant PVC black jacket



Cable Attributes, See Page 653

Oil Resistance: OR-03

Flame Resistance: FR-03

Motion Type: FL-01

Mechanical Properties: MP-03

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 Bend Radius: 7.5 x cable diameter

Temperature Range: -40°C to +90°C (UL/CSA TC)
-40°C to +105°C (UL/CSA/AWM)

Nominal Voltage: 600 V (UL/CSA TC)
1000 V (Wind Turbine Tray Cable)

Conductor Stranding: Class 5 Fine Wire

Color Code: Black conductors with white numbers plus green/yellow ground; one black pair with white numbers

Approvals:
UL: - TC-ER per UL 1277
- MTW per UL 1063
- WTTC per UL 2277
Attributes: - UL Oil Res I/II
- 75°C Wet; 90°C Dry
- -40°C Cold Bend; -25°C Cold Impact
- Sunlight Resistant
NEC: - Class 1 Division 2 per NEC Article 501
Canada: - c(UL) CIC/TC FT4
- CSA AWM II A/B FT4
Additional: - MSHA: P-07-KA050011-MSHA
- ICEA-T-24-389 Corona Test
- CE & RoHS

Part Number	Size / Number of Conductors	1 pair for signal shielded	Nominal Outer Diameter inches	Nominal Outer Diameter mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	Approx. Weight kg/km	SKINTOP® MS-SCL (PG) Page 504	SKINTOP® MS-SC-M Brush (Metric) Page 506
16 AWG (26/30) 1.32 mm²									
7416048	16 AWG/4c + 18 AWG/1pr	18 AWG (19/30)	.513	13.0	80	176	262	53112340	53112676
14 AWG (41/30) 2.08 mm²									
7414048	14 AWG/4c + 18 AWG/1pr	18 AWG (19/30)	.563	14.3	105	215	320	53112350	53112676
7414044	14 AWG/4c + 14 AWG/1pr	14 AWG (41/30)	.584	14.8	122	241	359	53112350	53112676
12 AWG (65/30) 3.30 mm²									
7412048	12 AWG/4c + 18 AWG/1pr	18 AWG (19/30)	.650	16.5	165	279	415	53112350	53112676
7412044	12 AWG/4c + 14 AWG/1pr	14 AWG (41/30)	.667	16.9	182	306	455	53112350	53112677
10 AWG (105/30) 5.32 mm²									
7410044	10 AWG/4c + 14 AWG/1pr	14 AWG (41/30)	.762	19.4	232	405	603	53112360	53112677
8 AWG (168/30) 8.52 mm²									
7408044	8 AWG/4c + 14 AWG/1pr	14 AWG (41/30)	.938	23.8	341	598	890	53112360	53112678
6 AWG (266/30) 13.5 mm²									
7406044	6 AWG/4c + 14 AWG/1pr	14 AWG (41/30)	1.082	27.5	503	848	1262	53112370	53112678
4 AWG (413/30) 21.0 mm²									
7404044	4 AWG/4c + 14 AWG/1pr	14 AWG (41/30)	1.322	33.6	673	1251	1862	53112370	53112678