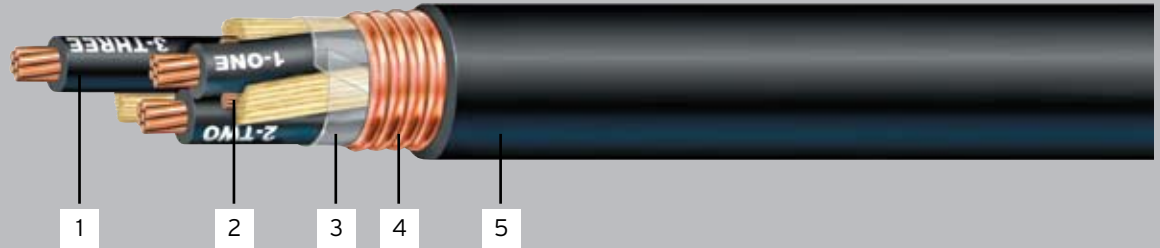




Draka

Lifeline® VFD Fire Resistive Cable



An Innovative Solution for Maintaining Circuit Integrity

Lifeline® VFD Fire Resistive Power Cables utilize two-hour fire-rated Lifeline RHW-2 cores to provide superior electrical performance and survivability even in the most extreme environments.

Designed for use with AC motors controlled for speed by modern Pulse Width Modulated (PWM) inverters, Lifeline VFD cables are designed to prevent Radio Frequency (RF) electrical signals from creating stray electrical noise and motor malfunction. They are capable of handling extremely high voltage which can occur when standing waves develop on the conductors.

The two-hour fire-rated Lifeline RHW-2 cores offer extra protection to critical circuits against attack by fire and water.

Features and Benefits

Lifeline two-hour fire-rated cores are listed per UL 2196 "Tests for Fire Resistive Cables."

The corrugated and longitudinally-applied copper shield is preferred for lower shield resistance resulting in lower impedance.

The cable offers excellent protection against reflected voltages, high frequency ground current and electromagnetic interference (EMI).

Features and Benefits

1. CORES

Three-phase Lifeline RHW-2 cable utilizing ceramifiable silicone insulation, numbered for easy identification.

2. GROUNDING CONDUCTORS

Class B stranded, soft drawn, bare copper per ASTM B3 and ASTM B8. The grounding conductor is sectioned into three equal sections.

3. ASSEMBLY

The insulated circuit conductors and three bare grounding conductors are cabled together with non-hygroscopic fillers as needed. The cabled core is wrapped with a binder tape.

4. SHIELD

Copper tape corrugated and longitudinally applied with a minimum overlap of 15%.

5. OVERALL JACKET

Heat & moisture resistant overall XLPO jacket Type XL 90°C per UL 1581.

VDF Performance Ratings

UL listed Type TC 90° wet or dry 600 Volt
NFPA 130 compliance for ventilation accessories
Low Smoke Halogen Free (LSHF)

Performance Ratings Lifeline RHW Cores

UL listed Type RHW-2 600 Volt
Classified two hour fire rating (UL2196) in conduit



Draka Engineered Specialties

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For sales and technical information, contact:

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VFD Circuit Integrity Cable

Part Number	Conductor Size AWG	Ground Size AWG	Insulation Thickness in (mm)	Diameter Over Shield in (mm)	Nominal Cable Outer Diameter in (mm)	Cable Weight lbs/Mft (Kg/km)
032661	14	18	0.030 (0.76)	0.410 (10.4)	0.525 (13.3)	185 (275)
032662	12	18	0.030 (0.76)	0.450 (11.4)	0.600 (15.2)	240 (357)
032663	10	16	0.045 (1.14)	0.510 (13.0)	0.660 (16.8)	315 (469)
032664	8	14	0.045 (1.14)	0.630 (16.0)	0.790 (20.1)	425 (632)
032665	6	12	0.045 (1.14)	0.770 (19.6)	0.980 (24.9)	670 (997)
032666	4	10	0.045 (1.14)	0.870 (22.1)	1.080 (27.4)	900 (1339)
032667	3	8	0.045 (1.14)	0.930 (23.6)	1.145 (29.1)	1100 (1637)
032668	2	8	0.045 (1.14)	1.000 (25.4)	1.220 (31.0)	1260 (1875)
032669	1	8	0.055 (1.14)	1.190 (30.2)	1.415 (35.9)	1580 (2351)
032670	1/0	6	0.055 (1.40)	1.275 (32.4)	1.505 (38.2)	1945 (2894)
032671	2/0	6	0.055 (1.40)	1.370 (34.8)	1.605 (40.8)	2255 (3355)
032672	3/0	4	0.055 (1.40)	1.480 (37.6)	1.725 (43.8)	2780 (4137)
032673	4/0	4	0.055 (1.40)	1.600 (40.6)	1.910 (48.5)	3435 (5111)
032674	250	4	0.065 (1.40)	1.890 (48.0)	2.215 (56.3)	4220 (6279)
032675	350	2	0.065 (1.65)	2.110 (53.6)	2.450 (62.2)	5620 (8363)
032676	500	1/0	0.065 (1.65)	2.380 (60.5)	2.750 (69.9)	7655 (11391)

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.

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