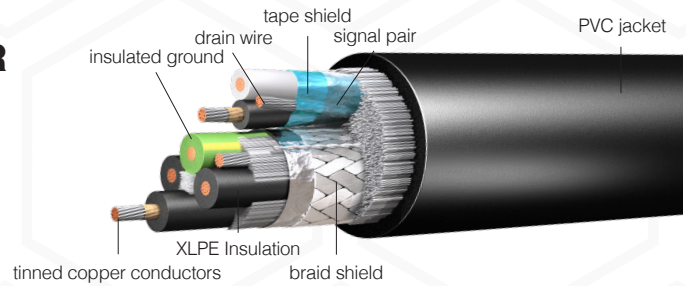


SPECIFICATION
HW192

VFD POWER CABLE WITH SIGNAL PAIR

600/1000V UL Type TC-ER, -40°C to 90°C
Overall Duofoil® + 85%TC Braid Shield
XLPE Insulation, PVC Jacket
Tinned Copper Conductors + Signal Pair
Full-sized Insulated Ground†



VFD POWER CABLE

Catalog Number	Size (AWG)	Conductor Stranding	Insulation Thickness (inches)	Ground Wire Size (AWG)	Ground Wire Stranding	Jacket Thickness (inches)	Overall Dia. (inches)	Weight (lbs/Mft.)	Non-Exp Proof Gland Part No.
HW192 01603	16x3C + 16-1Pair	26 x 30	0.045	16	26x30	0.075	0.75	324	TC-125A104
HW192 01403	14x3C + 16-1Pair	41 x 30	0.045	14	41x30	0.075	0.82	340	TC-125A104
HW192 01203	12x3C + 16-1Pair	65 x 30	0.045	12	65x30	0.080	0.90	438	TC-125A104
HW192 01003	10x3C + 16-1Pair	105 x 30	0.045	10	105x30	0.105	0.99	563	TC-125A127

APPLICATIONS:

A flexible, shielded power cable specifically engineered for use in variable frequency AC motor drive (VFD) applications with temperature sensors and brake mechanisms.

CONDUCTOR:

Stranded tinned copper circuit conductors

INSULATION:

Crossed-linked polyolefin (XLPE)

COLOR CODE:

Black with number surface printed in contrasting ink

GROUNDING CONDUCTOR:

One full-size tinned copper conductor with green/yellow polyvinyl chloride (PVC) insulation

OVERALL SHIELD:

Tin-coated copper braid plus aluminum/polyester tape providing 100% coverage

SIGNAL PAIR:

One 16AWG 26x30 stranded tinned-copper XLPE insulated black and white pair with 100% aluminum foil tape shield and 18AWG tinned copper drain wire

JACKET:

Black sunlight resistant polyvinyl chloride (PVC)

RATINGS & APPROVALS:

- UL Listed as Type TC-ER 600V
- UL Listed as 1kV Flexible Motor Supply Cable
- 1000V CSA AWM I/II A/B
- C(UL) 600V Type CIC TC
- 90°C Wet/Dry Temperature Rating
- FT-4, IEEE 1202, & UL1685 Flame Ratings
- Sunlight Resistant
- Oil Resistant
- Direct Burial
- MSHA
- RoHS compliant
- CE approved
- Permitted for Exposed Run ("ER") use in accordance with the NEC
- Permitted for use in Class 1, 2, & 3 Division 2 hazardous locations
- XHHW-2, RHW-2 rated circuit conductors -14AWG and larger

OTHER:

- Thicker, industrial-grade XLPE insulations provide low capacitance for extended motor life, reduced likelihood of corona discharge, reduced magnitude of standing waves, increased efficiency of power transfer
- Robust ground and shielding system to minimize radiated and conducted noise that can disrupt plant control and instrumentation systems
- Reliably carry power from AC drive systems to AC motors
- Effectively handle the overall high power levels of pulse-width modulated (PWM) signals
- Reliably handle high voltage spikes - eliminating potential damage to the cable, motors, bearings, drives and related equipment - potentially extending their life
- Bend Radius is 10 x O.D.

* Cable diameters shown as nominal are subject to a ±5% manufacturing tolerance.

† Ground(s) and drain wire(s) are same AWG as circuit conductors.



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All data subject to change without notice.