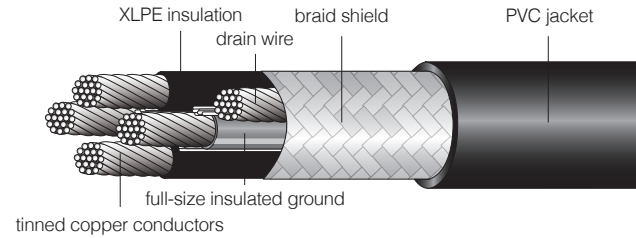


SPECIFICATION HW190B

REV 8/16

VFD POWER CABLE

600/1000V UL Type TC-ER, 90°C
Braid/Foil Shield with Full Size Drain Wire
XLPE Insulation, PVC Jacket
Tinned Copper Conductors
Full-size Insulated Ground



Catalog Number	Size (AWG/kcmil)	Number of Circuit Conductors	Conductor Stranding	Insulation Thickness (inches)	Ground Wire Size (AWG)	Ground Wire Stranding	Drain Wire Size (AWG)	Drain Wire Stranding	Jacket Thickness (inches)	Overall Dia. (inches)	Weight (lbs/Mft.)
HW190B 01603	16	3	26	0.045	16	26	16	26	0.073	0.534	187
HW190B 01403	14	3	41	0.045	14	41	14	41	0.073	0.604	238
HW190B 01203	12	3	65	0.045	12	65	12	65	0.073	0.630	301
HW190B 01003	10	3	105	0.045	10	105	10	105	0.073	0.690	399
HW190B 00803	8	3	133	0.060	8	133	14(X4)	41	0.093	0.923	604
HW190B 00603	6	3	133	0.060	6	133	12(X4)	65	0.093	1.028	911
HW190B 00403	4	3	133	0.060	4	133	10(X4)	105	0.093	1.163	1157
HW190B 00203	2	3	133	0.060	2	133	8(X4)	133	0.093	1.310	1714

Catalog Number	Size (AWG/kcmil)	Non-Exp Proof Gland	Exp Proof Gland with Compound Seal	Exp Proof RapidEx Gland (Must include appropriate sized RapidEx Liquid Resin)	RapidEx Liquid Resin
HW190B 01603	16	20SC2KX1RA531	20SPX2KX1RA531	20SPX2KXREX1RA531	RapidEx30
HW190B 01403	14	20C2KX1RA531	20SPX2KX1RA531	20PX2KXREX1RA531	RapidEx30
HW190B 01203	12	20C2KX1RA531	20PX2KX1RA531	20PX2KXREX1RA531	RapidEx30
HW190B 01003	10	20C2KX1RA531	20PX2KX1RA531	20PX2KXREX1RA531	RapidEx30
HW190B 00803	8	25C2KX1RA532	25SPX2KX1RA532	25PX2KXREX1RA532	RapidEx30
HW190B 00603	6	32C2KX1RA533	25PX2KX1RA532	32PX2KXREX1RA533	RapidEx30
HW190B 00403	4	32C2KX1RA533	32PX2KX1RA533	32PX2KXREX1RA533	RapidEx30
HW190B 00203	2	40C2KX1RA534	40PX2KX1RA534	40PX2KXREX1RA534	RapidEx80

APPLICATIONS:

A flexible, shielded power cable specifically engineered for use in variable frequency AC motor drive (VFD) applications.

CONDUCTOR:

Stranded tinned copper circuit conductors

INSULATION:

Crossed-linked polyethylene (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

DRAIN WIRE:

Full-size, tinned copper wires

OVERALL SHIELD:

85% Braid of tinned copper wires and a poly aluminum foil tape, helically applied and lapped

JACKET:

Black sunlight and oil resistant polyvinyl chloride (PVC)

RATINGS & APPROVALS:

- UL Listed as Type TC-ER 600V
- UL Listed as 1kV Flexible Motor Supply Cable
- 90°C Wet/Dry Temperature Rating
- FT-4, IEEE 1202, & UL1685 Flame Ratings

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

For larger sizes 1AWG - 4/0AWG see HW191 series

RATINGS & APPROVALS CONTINUED:

- 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
- 1000V UL2277 Type WTTC
- 1000V CSA AWM I/II A/B
- C(UL) 600V Type CIC TC

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 8 x O.D.

VFD POWER CABLE