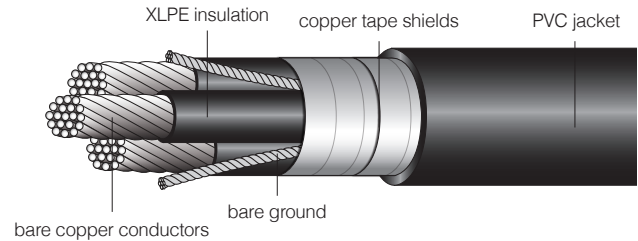


SPECIFICATION HW191B

REV 8/16

VFD POWER CABLE

600/1000V UL Type TC-ER, 90°C
Two Sprial Copper Tape Shields
XLPE Insulation, PVC Jacket
Bare Copper Conductors
3 Symmetrical Bare Grounds



Catalog Number	Size (AWG/kcmil)	Number of Circuit Conductors	Conductor Stranding	Insulation Thickness (inches)	Ground Wire Size (AWG)	Ground Wire Stranding	Jacket Thickness (inches)	Overall Dia. (inches)	Weight (lbs/Mft.)	CMP Non-Exp Proof Gland
HW191B 01603	16	3	7X24	0.031	18X3	7X24	0.060	0.394	122	TC-050A055
HW191B 01403	14	3	7X22	0.031	18X3	7X22	0.060	0.425	142	TC-050A055
HW191B 01203	12	3	7X20	0.031	16X3	7X20	0.060	0.460	182	TC-050A055
HW191B 01003	10	3	7X18	0.031	14X3	7X18	0.060	0.506	274	TC-075A079
HW191B 00803	8	3	7X16	0.046	14X3	7X16	0.063	0.646	444	TC-075A079
HW191B 00603	6	3	7X14	0.046	12X3	7X14	0.063	0.724	555	TC-075A079
HW191B 00403	4	3	7X12	0.046	12X3	7X12	0.063	0.825	733	TC-100A104
HW191B 00203	2	3	7X10	0.046	10X3	7X10	0.083	0.990	1105	TC-100A104
HW191B 00103	1	3	19X14	0.057	10X3	7	0.083	1.121	1314	TC-125A127
HW191B 10103	1/0	3	19X13	0.057	10X3	7	0.085	1.208	1591	TC-125A127
HW191B 20103	2/0	3	19X12	0.057	10X3	7	0.085	1.290	1892	TC-150A150
HW191B 30103	3/0	3	19X11	0.057	8X3	7	0.085	1.419	2312	TC-150A150
HW191B 40103	4/0	3	19X10	0.057	8X3	7	0.083	1.530	2599	TC-200A174

APPLICATIONS:

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

CONDUCTOR:

3 Stranded class B bare copper circuit conductors
Tinned copper conductors available upon request for sizes 1AWG to 4/0AWG.

INSULATION:

Crossed-linked polyolefin (XLPE)

COLOR CODE:

Black with number surface printed in contrasting ink

GROUNDING CONDUCTOR:

3 stranded symmetrical bare copper ground wires

OVERALL SHIELD:

2 spiral copper tape shields (100% coverage)

JACKET:

Black sunlight and oil resistant polyvinyl chloride (PVC)

RATINGS & APPROVALS:

- UL Listed as Type TC-ER 600V
- 1KV CSA AWM I/II A/B FT4
- 90°C Wet/Dry Temperature Rating
- FT-4, IEEE 1202, & UL1685 Flame Ratings
- Sunlight Resistant
- Oil Resistant
- Direct Burial
- 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 rated circuit conductors - 14AWG and larger

OTHER:

- 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
- Overall shield provides 100% coverage containing VFD EMI emissions
- Bend Radius is 10 x O.D.

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