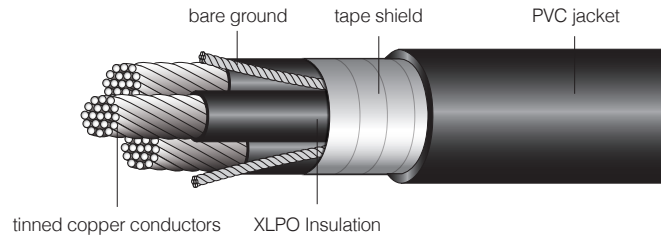


SPECIFICATION HW191A

REV 8/16

VFD POWER CABLE

600/1000V UL Type TC-ER, 90°C
Copper Tape Shield*
XLPO Insulation, PVC Jacket
Tinned Copper Conductors
3 Symmetrical Bare Grounds



Catalog Number	Size (AWG/kcmil)	Number of 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
HW191A 01403	14	3	19	0.030	18 X 3	19	0.06	0.466	158	TC-050A055
HW191A 01203	12	3	19	0.030	16 X 3	19	0.06	0.509	199	TC-050A055
HW191A 01003	10	3	37	0.030	14 X 3	19	0.06	0.552	258	TC-075A079
HW191A 00803	8	3	37	0.045	14 X 3	19	0.06	0.653	368	TC-075A079
HW191A 00603	6	3	61	0.045	12 X 3	19	0.06	0.737	517	TC-100A104
HW191A 00403	4	3	133	0.045	12 X 3	19	0.08	0.956	814	TC-100A104
HW191A 00203	2	3	133	0.045	10 X 3	37	0.08	1.103	1,178	TC-125A127
HW191A 00103	1	3	209	0.055	10 X 3	37	0.08	1.221	1,462	TC-125A127
HW191A 10103	1/0	3	266	0.080	10 X 3	37	0.08	1.447	1,886	TC-150A150
HW191A 20103	2/0	3	323	0.080	10 X 3	37	0.08	1.538	1,951	TC-200A174
HW191A 40103	4/0	3	532	0.080	8 X 3	37	0.11	1.883	3,102	TC-200A197
HW191A 26203	262	3	646	0.065	6 X 3	61	0.11	1.981	3,642	TC-250A220
HW191A 31303	313	3	777	0.065	6 X 3	61	0.11	2.08	4,658	TC-250A220
HW191A 37303	373	3	925	0.065	6 X 3	61	0.11	2.215	5,318	TC-250A244
HW191A 44403	444	3	1110	0.065	6 X 3	61	0.11	2.367	6,177	TC-250A244
HW191A 53503	535	3	1332	0.080	6 X 3	61	0.11	2.676	7,787	TC-350A315
HW191A 64603	646	3	1591	0.080	4 X 3	133	0.14	2.893	9,155	TC-350A315
HW191A 77703	777	3	1924	0.080	4 X 3	133	0.14	3.164	10,914	TC-400A354

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 polyolefin (XLPO), flexible and low dielectric

COLOR CODE:

262MCM and larger: black and numbered
4/0AWG and smaller: red, white, black

GROUNDING CONDUCTOR:

Three symmetrically placed flexible stranded tinned copper conductors in direct contact with the shield

OVERALL SHIELD:

Sizes 8AWG and larger: Heliically applied 5 mil bare copper tape providing 100% coverage.

*10AWG and smaller: Tin-coated copper braid plus aluminum/ polyester tape providing 100% coverage.

JACKET:

Black sunlight resistant polyvinyl chloride (PVC)

RATINGS & APPROVALS:

- UL Listed as Type TC-ER 600V
- UL Listed as 1kV Flexible Motor Supply Cable (up to 4/0 AWG)
- 90°C Temperature Rating
- FT-4 and IEEE 1202 Flame Ratings
- Sunlight Resistant
- Oil Resistant (Oil Res I)
- Direct Burial
- Meets crush and impact requirements for Type MC cable
- Permitted for Exposed Run ("ER") use in accordance with the NEC
- Permitted for use in Class 1, Division 2 and Zone 2 industrial hazardous locations per the NEC

OTHER:

- Specially engineered cable design produces a longer cable life in VFD applications
- Overall shield provides 100% coverage containing VFD EMI emissions
- High strand count design is much more flexible, easier to install and more resistant to vibration than Type MC cable.
- Specially formulated insulation material with a lower dielectric constant (standard XLPE and EPR insulation materials have higher dielectric constants) withstands reflected voltages. This allows for longer output cable distances and minimizes the effect of high frequency noise induced into the plant ground system.
- Gas and Vapor Tight - impervious to water and air.
- Reduced installation time and cost compared to Type MC.
- Glands for this product cost up to 50% LESS than those for Type MC.
- Bend Radius is 12 x O.D.

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