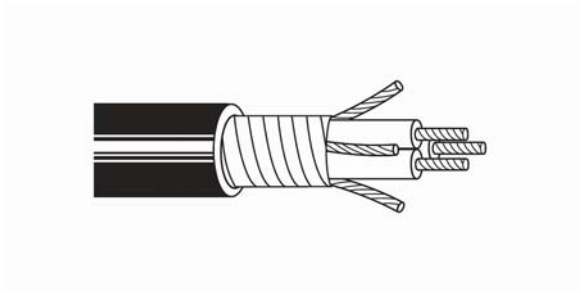
Product Data Sheet

VFD



Product Description
XLP insulation
PVC jacket
Type TC
90℃
UL Listed

Applications
Variable-frequency drives (VFDs), also known as variable-speed or adjustable-speed drives are used to power AC motors in a variety of industrial motion control, commercial flow/pumping, and extrusion applications. Benefits of using a VFD over traditional DC drives include more precise motor control and improved power efficiency. While there are many benefits to using VFDs, their use requires special considerations for other drive system components; especially the drive's output cabling. These drive systems require cables that are specifically designed for VFD applications in order to improve drive system reliability while negating the impact of RFI/EMI.

Specifications
- CONDUCTOR: Class B stranded, tinned copper per ASTM B-3, B-33
- INSULATION: Cross-Linked Polyethylene(XLP) per ICEA S-95-685 (NEMA WC70) meets UL requirements
- COLOR CODE: Conductors are coded per ICEA Method 4 (printed numbers)
- ASSEMBLY: Three insulated conductors are cabled with three uninsulated grounds and an overall copper tape shield
- OVERALL JACKET: Black sunlight-resistant Polyvinyl Chloride (PVC) per UL 1277
- STANDARDS: Meets the UL requirements for Type TC cables having XHHW-2 conductors. Cables are listed for direct burial and meet the IEEE 1202, IEEE 383, and UL 1685, 70,000 Btu/hr flame tests as well as the ICEA T-29-520, 210,000 Btu/hr flame test
- AMPACITY: Based on not more than three conductors in raceway or cable or earth per 2008 NEC Table 310.16 with a conductor temperature of 90℃ and an ambient temperature of 30℃. All 4-conductor values have been derated per 2008 NEC Table 310.15(B)(2)(a)
- TEMPERATURE: 90℃
- VOLTAGE: 600 V or 2 kV

Product Data Sheet

VFD 600 V

Part No.	Conductor Size AWG/kcmil	No. of Strands	No. of Conductors	Ground Wires No. x AWG	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
2ACD-1403	14	7	3	3 x 18	0.030	0.045	0.412	134	25
2ACD-1203	12	7	3	3 x 16	0.030	0.045	0.453	178	30
2ACD-1003	10	7	3	3 x 14	0.030	0.045	0.511	260	40
3ACD-0803	8	7	3	3 x 14	0.045	0.060	0.672	396	55
3ACD-0603	6	7	3	3 x 12	0.045	0.060	0.780	537	75
3ACD-0403	4	7	3	3 x 12	0.045	0.080	0.822	765	95
3ACD-0203	2	7	3	3 x 10	0.045	0.080	1.007	1,085	130
3ACD-1013	1/0	19	3	3 x 10	0.055	0.080	1.231	1,500	170

VFD 2 kV

Part No.	Conductor Size AWG/kcmil	No. of Strands	No. of Conductors	Ground Wires No. x AWG	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
2ACD-1403-2KV	14	7	3	3 x 18	0.030	0.030	0.580	189	25
2ACD-1203-2KV	12	7	3	3 x 16	0.030	0.045	0.615	249	30
2ACD-1003-2KV	10	7	3	3 x 14	0.030	0.045	0.670	326	40
3ACD-0803-2KV	8	7	3	3 x 14	0.070	0.060	0.770	441	55
3ACD-0603-2KV	6	7	3	3 x 12	0.045	0.060	0.895	615	75
3ACD-0403-2KV	4	7	3	3 x 12	0.045	0.080	0.995	858	95
3ACD-0203-2KV	2	7	3	3 x 10	0.045	0.080	1.125	1,240.3	130
3ACD-1013-2KV	1/0	19	3	3 x 6	0.055	0.080	1.385	1,850	170
3ACD-2023-2KV	2/0	19	3	3 x 5	0.090	0.080	1.480	2,160	195
3ACD-4043-2KV	4/0	19	3	3 x 4	0.090	0.110	1.780	3,240	260
3ACD-3503-2KV	350	37	3	3 x 2	0.105	0.110	2.162	5,105	350
3ACD-5003-2KV	500	37	3	3 x 1	0.110	0.110	2.455	6,933	430