

15 kV Three Conductor 133% Insulation Level



Product Description

Aluminum interlocked armor
EPR insulation

Applications

For use in power circuits in industrial plants, commercial buildings, and central and substation utility applications. May be installed in trays, racks, hangers, etc., eliminating the need for conduit. Suitable for indoor and outdoor installation.

Specifications

- CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B3 and B8, strand shield is an extruded semiconducting material
- INSULATION: Ethylene Propylene Rubber (EPR)
- SHIELDING: An extruded semiconducting thermoset insulation shield is applied over the insulation and then an uncoated copper tape is helically applied. The method of phase identification will be similar to ICEA Method 3 (1-Black, 2-Red, 3-Blue)
- ASSEMBLY: The three-phase conductors are cabled with a Class B stranded, uninsulated ground wire and fillers to make round, a binder tape is applied overall
- ARMOR: Aluminum interlocked armor
- OVERALL JACKET: An extruded covering of red Polyvinyl Chloride (PVC) is applied overall that meets UL sunlight-resistance requirements
- STANDARDS: Listed Type MV-105 per UL 1072 and Type MC per UL 1569 and is marked for CT use. Cable meets requirements of ICEA S-93-639 (NEMA WC74) and AEIC CS8. Cable passes UL 1685 and IEEE1202/FT4 (70,000 Btu/hr) and ICEA T-29-520 (210,000 Btu/hr) flame tests.
- AMPACITY: Based on a 5 kV-35 kV three-conductor cable isolated in air with a conductor temperature rating of 105°C and an ambient temperature of 40°C per 2008 NEC table 310.71
- TEMPERATURE: 105°C
- VOLTAGE: 15 kV

Electrical and Electronic Wire & Cable • Enterprise Cabling & Security Solutions • Fasteners

Anixter Inc. World Headquarters • 2301 Patriot Boulevard, Glenview, IL 60026-8020 • 1.800.ANIXTER • 224.521.8000 • anixter.com

Anixter is a leading global supplier of communications and security products, electrical and electronic wire and cable, fasteners and other small components. We help our customers specify solutions and make informed purchasing decisions around technology, applications and relevant standards. Throughout the world, we provide innovative supply chain management solutions to reduce our customers' total cost of production and implementation.

Anixter does not manufacture the items described in this publication. Any applicable product warranties are provided by the manufacturers. To the fullest extent permitted by law, Anixter disclaims all warranties, either express or implied.

The information provided and any images shown are for descriptive purposes only. Anixter makes no warranty or representation, express or implied, about the accuracy or completeness of any information provided. Data and suggestions made in the publication are not to be construed as recommendations to purchase or as authorizations to use any products in violation of any law or regulation. All products are sold subject to Anixter's General Conditions of Sale.

Note: 0.175 in. insulation thickness or galvanized steel interlocked armor available upon request. Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG/kcmil	No. of Strands	Ground Wire Size AWG	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor	3M Terminations
7D-0203A	2	7	6	0.220	0.060	2.230	2,605	185	034004
7D-0103A	1	19	4	0.220	0.060	2.330	2,835	210	034004
7D-1013A	1/0	19	4	0.220	0.060	2.410	3,100	240	034004
7D-2023A	2/0	19	4	0.220	0.075	2.550	3,530	275	037023
7D-3033A	3/0	19	3	0.220	0.075	2.660	3,990	315	037023
7D-4043A	4/0	19	3	0.220	0.075	2.770	4,615	360	037023
7D-2503A	250	37	3	0.220	0.075	2.950	5,315	400	037023
7D-3503A	350	37	2	0.220	0.075	3.170	6,600	490	037023
7D-5003A	500	37	1	0.220	0.085	3.470	8,710	600	057312
7D-7503A	750	61	1/0	0.220	0.085	3.780	11,721	745	057312
7D-10003A	1000	61	1/0	0.220	0.085	4.220	14,761	860	057312

Electrical and Electronic Wire & Cable • Enterprise Cabling & Security Solutions • Fasteners

Anixter Inc. World Headquarters • 2301 Patriot Boulevard, Glenview, IL 60026-8020 • 1.800.ANIXTER • 224.521.8000 • anixter.com

Anixter is a leading global supplier of communications and security products, electrical and electronic wire and cable, fasteners and other small components. We help our customers specify solutions and make informed purchasing decisions around technology, applications and relevant standards. Throughout the world, we provide innovative supply chain management solutions to reduce our customers' total cost of production and implementation.

Anixter does not manufacture the items described in this publication. Any applicable product warranties are provided by the manufacturers. To the fullest extent permitted by law, Anixter disclaims all warranties, either express or implied.

The information provided and any images shown are for descriptive purposes only. Anixter makes no warranty or representation, express or implied, about the accuracy or completeness of any information provided. Data and suggestions made in the publication are not to be construed as recommendations to purchase or as authorizations to use any products in violation of any law or regulation. All products are sold subject to Anixter's General Conditions of Sale.