Three Conductor EPR/PVC Shielded

Product Description
EPR insulation
PVC jacket
Shielded
UL Listed Type MV-105

Applications
For use in power circuits up to 8 kV when installed in open air, conduit, duct or buried directly in the earth, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations and generating stations.

Specifications
- CONDUCTOR: Class B stranded, annealed copper
- CONDUCTOR SHIELD: Conductor is covered with an extruded semiconducting thermoset compound bonded to the insulation
- INSULATION: Ethylene Propylene Rubber (EPR) with thermoset semiconducting layer and 5 mil copper tape shield
- ASSEMBLY: The three conductors are cabled with a Class B stranded, uncoated copper grounding conductor and suitable fillers in compliance with UL 1072. A binder tape is applied overall
- OVERALL JACKET: Sunlight-resistant black Polyvinyl Chloride (PVC) meeting ICEA and UL requirements
- STANDARDS: Listed Type MV-105 per UL 1072 and meets the requirements of ICEA S-93-639 and AEIC CS8. Passes UL 1685 70,000 Btu/hr flame test. Sizes 1/0 and larger marked "for CT use"
- AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310.75 with a conductor temperature of 90°C and an ambient temperature of 40°C
- TEMPERATURE: 105°C
- VOLTAGE: 5 kV 133% and 8 kV 100%

5 kV 115 EP W/GRD CTS 133% CT-USE

Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG/kcmil	No. of Strands	Ground Wire Size AWG	No. of Conductors	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
3JS-0603	6	7	6	3	0.115	0.080	1.290	935	95
3JS-0403	4	7	6	3	0.115	0.080	1.390	1,158	125
3JS-0203	2	7	6	3	0.115	0.080	1.510	1,510	160
3JS-1013	1/0	19	4	3	0.115	0.080	1.660	2,030	210
3JS-2023	2/0	19	4	3	0.115	0.080	1.820	2,445	235
3JS-4043	4/0	19	3	3	0.115	0.110	2.050	3,415	320
3JS-3503	350	37	2	3	0.115	0.110	2.360	5,061	400
3JS-5003	500	37	1	3	0.115	0.110	2.630	6,800	485
3JS-7503	750	61	1/0	3	0.115	0.140	3.140	9,490	525