Wirewound Resistors

Description

Post Glover's FDL Series Wirewound Power Resistors feature corrosion resistant wire, helically wound into a long spring-like coil. The coil is then wound onto a spirally grooved, solid porcelain core, where each end of the wire is fitted to a terminal, which clamps to the end of the core. Terminals, clamps, and all related hardware are made from heavy stainless steel. The resistors are typically mounted between "L" brackets, using a 'throughbolt'. Multiple mounting racks are often furnished. This construction can be supplied open or with enclosures for personnel protection, or louvered enclosures for both personnel and all weather protection.

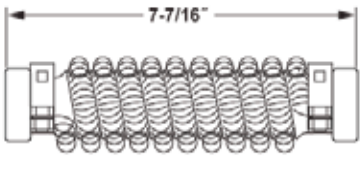
Features

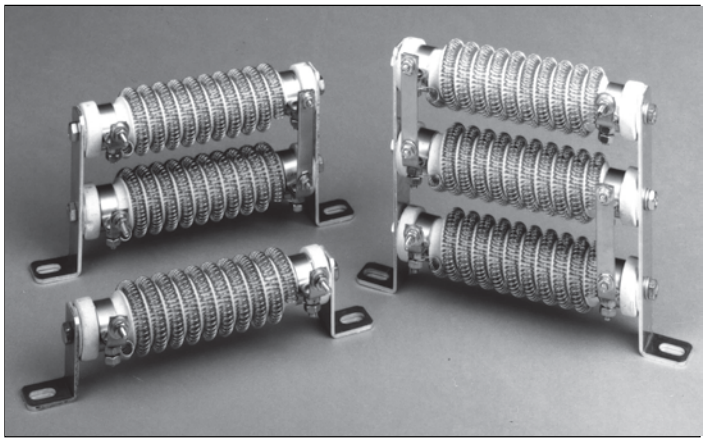
FDL Series terminals are formed at a 90° angle to allow the use of flat bus-connectors. This eliminates the need for cumbersome jumper wires when interconnecting resistors. The open 'double helix' design permits considerably more wire to be wound around the porcelain core. The electrically efficient construction of the FDL element allows the highest possible wattage ratings per linear inch, consistent with NEMA standards performance. As an added benefit, the same design feature that permits the high wattage ratings, (so much more of the wire surface is exposed to the air), makes the FDL Series Resistors an excellent space heater, both for natural convection and forced air use. Post Glover's FDL resistors are available UL Recognized and CSA Certified.

Application

The design and construction of the FDL Series Resistors makes them ideal for:

- Small horsepower crane control
- Wye Delta Starting
- Various other starting and speed regulating uses
- High resistance neutral grounding
- Heaters and Load Banks
- Elevator Controls





** Note: The maximum power ratings specified are for resistors mounted in an open air atmosphere. If units are to be mounted close together or in a residential ventilation condition, the maximum power rating should be derated. Please contact factory for details.*

P/N	RESISTANCE (Ω)	POWER (W)	CURRENT (A)
FDL-530	0.53	290	23.4
FDL-760	0.76	294	19.7
FDL-1250	1.25	295	15.4
FDL-1800	1.8	301	12.9
FDL-2700	2.7	358	11.5
FDL-4600	4.6	301	8.1
FDL-6800	6.8	314	6.8
FDL-9500	9.5	310	5.7
FDL-13500	13.5	311	4.8
FDL-20500	20.5	334	4.0
FDL-28600	28.6	328	3.4
FDL-40000	40	325	2.8
FDL-56000	56	322	2.4
FDL-79000	79	321	2.0
FDL-111000	111	315	1.7
FDL-155000	155	314	1.4
FDL-215000	215	340	1.3

Intermediate Ratings not shown.

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