WIREWAY

PART 1 – GENERAL

1.1 SCOPE

A. This specification covers the requirements for a fiberglass lay-in-wireway system to support and protect power, control and instrumentation cables.

1.2 STANDARDS

A. The wireway system shall conform to the applicable sections of:.

1. The National Electric Code (NEC) Article 378
2. ASTM E-84 (Class 1 Rating)

1.3 GENERAL

A. Wireway shall be solid bottom type construction with minimum wall thickness of .1875 inches.

B. Cover and cover splice plates shall be snap-on type construction requiring no installation fasteners.

1.4 LOADING REQUIREMENTS

A. The NEC requires wireway to be supported at intervals not exceeding 5 feet, unless specifically approved for supports at greater intervals, but in no case shall the distance between supports exceed 10 feet.

B. Load span:

Part No.	Maximum Span	Maximum Loading
CW250 x 10	Contact Factory	Contact Factory
CW404 x 10	10’ (3m)	10 Lbs/Ft (14.9 kg/m)
CW412 x 10	10’ (3m)	12 Lbs/Ft (17.9 kg/m)
CW606 x 10	10’ (3m)	20 Lbs/Ft (29.8 kg/m)
CW612 x 10	10’ (3m)	25 Lbs/Ft (37.2 kg/m)

C. Consult factory for specific applications.

PART 2 – PRODUCTS

2.1 MANUFACTURER(S)

A. The standard for design shall be based on units by Enduro Composites, Inc., located at 16602 Central Green Blvd., Houston, TX 77032; Tel: 713-358-4000, 800-231-7271; Email: sales@endurocomposites.com; Web: www.endurocomposites.com; or approved equal conforming to these specifications.

2.2 MATERIALS

A. The wireway, cover, and splice plates shall be made from the pultrusion process utilizing an Enduro Fire Retardant Polyester resin formulation with UV light inhibiting additives and exterior veil coverage.

B. Resin System (as required): Isophthalic Polyester, Vinyl Ester, Halogen-Free Isophthalic Polyester, Halogen-Free Vinyl Ester or Halogen-Free Low Smoke Plus resin available.

C. All composite material shall meet ASTM E84, maximum 25 flame spread rating.

D. Color shall be gray.