

# Types, Classes & Grades

## Definitions

Coated sleeving is a flexible, tubular product braided from cotton, rayon, nylon, glass or other fibers, which is impregnated, coated, or impregnated and coated with an electrical insulating material.

## Types & Classes

Coated sleeving is categorized by the type of coating, base fabric material, dielectric breakdown voltage, temperature index, and inside diameter as follows:

### Type 2

A flexible treated sleeving made from inorganic-base yarns such as fibrous glass and impregnated or coated with an insulating material which can be shown by applicable experience or accepted test to have at temperature index of 130 (continuous use at 130°C)

### Type 3

A flexible treated sleeving made from inorganic-base yarns such as fibrous glass and impregnated or coated with an insulating material, such as polyvinyl chloride, which can be shown by applicable experience or accepted test to have a temperature index of 105 (continuous use at 105°C).

### Type 4

A flexible treated sleeving made from inorganic-base yarns such as fibrous glass and impregnated or coated with an insulating material, such as silicone resin or polytetrafluoroethylene, which can be shown by applicable experience or accepted test to have a temperature index of 200 (continuous use at 200°C).

### Type 5

A flexible treated sleeving made from inorganic-base yarns such as fibrous glass and impregnated or coated with an insulating material, such as silicone elastomer, which can be shown by experience or accepted test to have a temperature index of 200 (continuous use at 200°C).

### Type 6

A flexible treated sleeving made from inorganic-base yarns such as fibrous glass and impregnated or coated with an insulating material, such as epoxies, polyesters, or acrylics, which can be shown by experience or accepted test to have a temperature index of 155 (continuous use at 155°C).

### Nema Grades

<b>A-1</b>	7000* volt average — 5000 volt minimum individual
<b>B-1</b>	4000 volt average — 2500 volt minimum individual
<b>C-1</b>	2500 volt average — 1500 volt minimum individual
<b>C-2</b>	1500 volt average — 800 volt minimum individual
<b>C-3</b>	No dielectric guarantee

\*For sleeving Types 3, 4, and 5, values are 8000 volt average, 6000 volt minimum individual.

For more information, refer to NEMA Standards for Coated Electric Sleeving. Also, ASTM D372.



## Electrical Insulating Sleeving

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