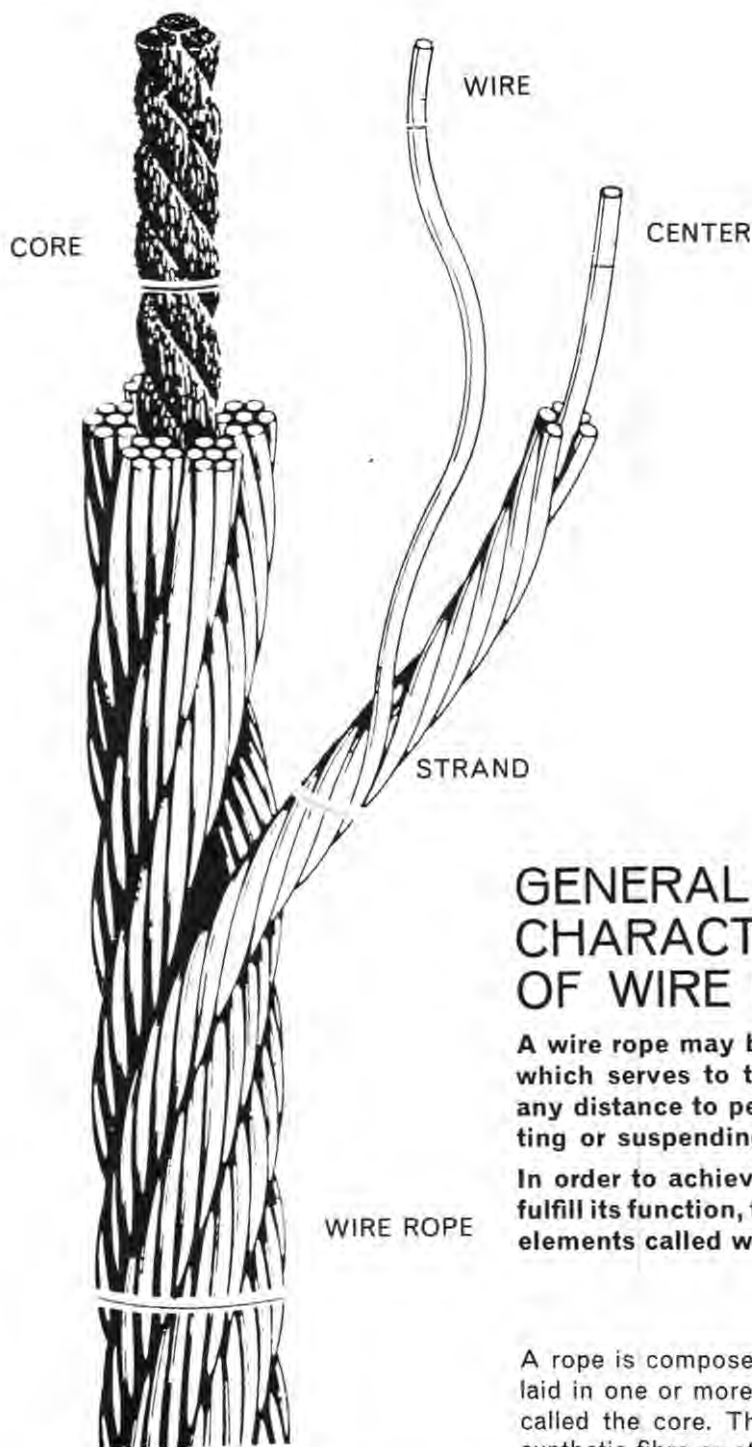




The component parts of a wire rope

GENERAL CHARACTERISTICS OF WIRE ROPES

A wire rope may be defined as a flexible organ which serves to transmit a pulling force over any distance to perform either a hauling, hoisting or suspending work.

In order to achieve the necessary flexibility to fulfill its function, the rope is made up of various elements called wires and strands.

A rope is composed of a given number of strands laid in one or more layers around an axial member called the core. The core can be made of hemp, synthetic fibre or steel.

Each strand is made up of a given number of wires laid helically in one or more layers around a central wire or textile fibre called the "center".