a sleeve coupled to the elongate tubular body, the sleeve having a groove formed on an inner diameter that is spaced from a first end of the sleeve and aligned with the groove of the elongate tubular body;

a first wire ring disposed within the groove of the elongate tubular body and within the groove of the sleeve, wherein the sleeve is coupled to the elongate tubular body by the first wire ring; and

a wire insertion cutout formed on the first end of the sleeve that extends from the first end of the sleeve across the groove of the sleeve,

wherein the first wire ring is disposed within the groove of the elongate tubular body and the groove of the sleeve through the wire insertion cutout.

[0004]

CLAIMS

1. A pipe connector for connecting pipes comprising:

   an elongate tubular body having a groove formed on an outer diameter;

   a sleeve coupled to the elongate tubular body, the sleeve having a groove formed on an inner diameter that is spaced from a first end of the sleeve and aligned with the groove of the elongate tubular body;

   a first wire ring disposed within the groove of the elongate tubular body and within the groove of the sleeve, wherein the sleeve is coupled to the elongate tubular body by the first wire ring; and

   a wire insertion cutout formed on the first end of the sleeve that extends from the first end of the sleeve across the groove of the sleeve,

   wherein the first wire ring is disposed within the groove of the elongate tubular body and the groove of the sleeve through the wire insertion cutout.

2. The pipe connector according to claim 1, wherein the sleeve is longitudinally fixed relative to the elongate tubular body by the first wire ring.

3. The pipe connector according to claim 1, wherein the elongate tubular body further comprises a raised portion, and wherein the groove of the elongate tubular body is located on the raised portion of the elongate tubular body.

4. The pipe connector according to claim 3, wherein the raised portion is generally in the center of the elongate tubular body.

5. The pipe connector according to claim 1, wherein the sleeve is substantially one of U-shaped, L-shaped, and T-shaped having a substantially cylindrical inner bore extending longitudinally through the sleeve.

6. The pipe connector according to claim 1, wherein the pipe connector is a mid-line pipe connector.

7. The pipe connector according to claim 1, wherein the pipe connector is an end fitting.

8. A method of assembly of a pipe connector comprising:

coupling a sleeve to an elongate tubular body, wherein coupling the sleeve to the elongate tubular body comprises:

sliding a sleeve over an outer diameter of an elongate tubular body until a groove on an inner diameter of the sleeve is aligned with a groove of an outer diameter of the elongate tubular body; and

inserting a first wire ring into the groove of the elongate tubular body and the groove of the sleeve that are aligned,

wherein the groove on the inner diameter of the sleeve is spaced from a first end of the sleeve, and

wherein inserting a first wire ring into the groove of the elongate tubular body and the groove of the sleeve that are aligned comprises:

passing the first wire ring through a wire insertion cutout of the sleeve,

wherein the wire insertion cutout is formed on a first end of the sleeve that extends from the first end of the sleeve across the groove of the sleeve.