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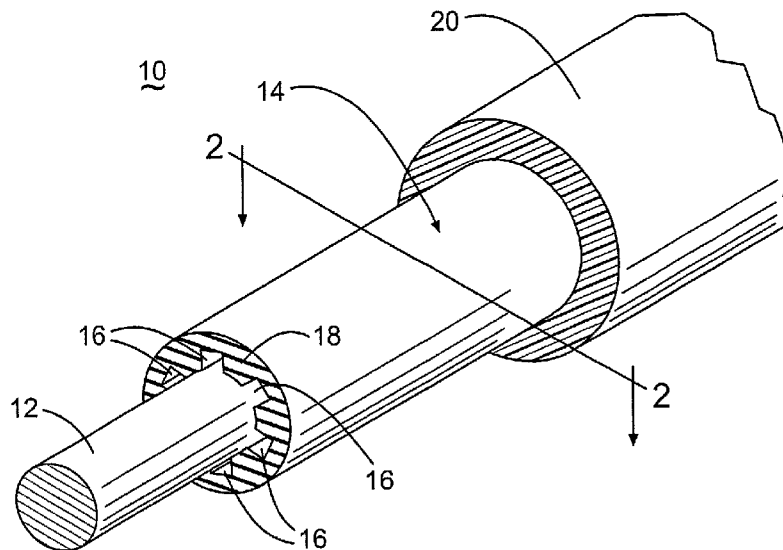
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(57) Abstract: The present invention relates to an improved insulated conductor with a low dielectric constant and reduced materials costs. The conductor (12) extends along a longitudinal axis and an insulation (14, 14¹) surrounds the conductor (12). At least one channel (16, 16¹) in the insulation (14, 14¹) extends generally along the longitudinal axis to form an insulated conductor. Apparatuses and methods of manufacturing the improved insulated conductors are also disclosed.

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