

Title (en)
Connector for insulated electrical cables.

Title (de)
Verbinder für isolierte elektrische Kabel.

Title (fr)
Connecteur pour câbles électriques isolés.

Publication
EP 0138700 A1 19850424 (FR)

Application
EP 84402009 A 19841008

Priority
FR 8316410 A 19831014

Abstract (en)
1. Connector for insulated electric cables, comprising an electrically conductive sleeve (11, 31) having two opposite housings (12, 13; 32, 33) for the bare ends (23, 24; 43, 44) of the two cables (25, 26; 45, 46) to be connected, an insulating skirt (15; 35) around the sleeve and sealing joints (21, 22; 41, 42) interposed between the skirt and the ends of the cables insulating sheaths (27, 28; 47, 48), the mechanical connection between the connector and the bare ends of the cables being achieved by crimping the connector on the ends of the cables, characterized in that the sealing joints (21, 22; 41, 42) are designed to be placed on the bare ends (23, 24; 43, 44) of the cables (25, 26; 45, 46), each one between an internal stop member (18, 19; 38, 39) integral with the skirt (15; 35) and the end face (27**a, 28**a; 47**a, 48**a) of the insulating sheath (27, 28; 47, 48) of the associated cable (25, 26; 45, 46), and the skirt (15; 35) is made from a synthetic material of which the strain coefficient is higher than that of the material composing the sleeve, so that dielectric insulation is achieved during the crimping operation by compression of each sealing joint between said internal stop member and said end face due to the elongation of the skirt which is greater than that of the sleeve.

Abstract (fr)
Le connecteur est formé essentiellement d'un manchon conducteur (11) entouré par une jupe isolante (15), des joints d'étanchéité (21, 22) étant placés sur les extrémités dénudées des câbles à raccorder (25, 26), chacun entre une collerette interne solidaire de la jupe (15) et la face terminale de la gaine d'isolation (27, 28) du câble associé; le connecteur est mis en place par sertissage sur les extrémités dénudées des câbles et l'étanchéité diélectrique est réalisée par compression des joints (21, 22) par suite de l'allongement de la jupe (15) lors du sertissage.

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Citation (search report)
• [A] US 3036147 A 19620522 - WHEATON SCOTT R, et al
• [A] DE 1615551 A1 19690410 - AMP INC
• [A] FR 1533861 A 19680719 - AMP INC

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