



A.1.3 Plastiques semi-conducteurs pour l'écrantage et l'armure des câbles de puissance

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A.1.3 Semiconductive plastic coated metallic shielding and armoring materials for power cables.

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A plastic coated metallic shielding or armoring tape with a semiconducting coating is described for use in low, medium or high voltage cables. The tape can be used as a radial moisture barrier in these cables. The semiconducting coating can be applied to face the cable core and provide the metallic tape with corrosion protection in case of water penetration. Alternatively the coating can be bonded to a semiconducting jacket to provide a continuous electrical ground over the entire length of the cable. The use of semiconducting coated shielding or armoring tape can lead to simpler and more efficient power and control cable designs by combining the moisture barrier function with shielding function.