產品特性

經過電子束照射之交連PVC電子器具用線，其絕緣性能比一般PVC電子器具用線佳，且具有其他優良之特性，列舉如下：

- 耐熱性/因線路超負荷或短路而產生瞬間高溫時，絕緣體不會急速變形。
- 耐烙鐵烙焊性/線路與直接高溫烙鐵接觸時，絕緣體不會收縮融解流動或變形。
- 耐磨性/耐磨較一般PVC絕緣更好。
- 低摩擦係數/電線表面非常光滑，摩差係數很低在穿管路時易於施工。

經過電子束照射之交連PE電子器具用線，其PE材料由熱可塑性變成熱固性，因而具有卓越的性能，舉列如下：

- 在125℃時仍具有優越的熱穩定性——線路加熱至高溫不會融解及融滴現象，也不會因重壓而碎裂。
- 耐烙鐵烙焊性——在意外碰觸到350℃溫度的烙鐵時，線路不受影響。
- 耐燃性——具有高度耐燃性，並能通過UL VW-1試驗。
- 耐磨及耐切割性——特優。

Product Features

The irradiation process makes an XLPVC insulation far better than ordinary PVC. Many execllent featrues are created as follows:

- Heat resistance-When momentary high temperature caused by overloads or shorts occurs, the insulation does not deform so quickly as if not irradiated.
- Solder iron resistance-When direct contact with a soldering iron, it will not shrink back, melt, flow or deform.
- Low coefficient of fiction-Because of its very low coefficient of friction, the surface of the wire is slippery, easier to be pulled into conduit or trays.

The PE compound changes from thermoplastic to thermosetting material after irradiating and superior features are shown as follows:

- Excellent thermal stability at 125℃ When cross-lineked PE wire is heated, it does not melt away, drip and does not produce stress-cracking.
- Solder iron resistance-Cross-linked PE insulation can withstand accidental contact with a solder iron at temperatures up to 350℃.
- Flame retardance-The cross-linked PE insulated wrie is highly flame retardant, with a ULVW-1 rating.
- Abrasion and cut through resistance-There is greater resistance to abrasion and cut through after irradiating the cross-linked PE wire.