

UV Stabilisation

There is much uncertainty surrounding UV Stabilisation. Very few specifications are explicit enough. No product offers 100% UV resistance. There will always be some degradation. This can range from a loss of surface gloss to cracking of the polymer. To help customers choose a product, which is fit for purpose, we offer the following information. The “full” UV Protection means it matches the life expectancy of the cable

Voltage Range	Product Range	Standard		Comments
		Outer Material	UV Protection	
Low Voltage	Bell –control range of (1mm ² -16mm ²)	PVC, LH	Full	Sheathing as per spec requirements – SANS 1507
	Mains, FTE, House wire, Protofix	PVC	Full	
	Mains	LH	Full	
	Bell –control, Mains	NHLSFR	Partial	Store/install in shade
	Split Concentric	PE	Full	Red insulation is also fully UV stabilised.
	ABC	XLPE	Full	Insulation material and spec requirement – SANS 1418
Medium Voltage	ABC			Spec requirements as per - SANS 1713
	Paper, XLPE	PVC	Full	
	Paper, XLPE	LH	Full	
	Paper, XLPE	PE	Full	
	Paper, XLPE	NH	Partial	Store/install in shade
High Voltage	Super tension	PE	Full	

Coloured components as a rule are not UV stabilised as noted. Partial UV protection is possible using special additives (non-carbon black).

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