

RETRACTABLE POOL CANOPY

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ABSTRACT

The canopy fabric is a combination of 50% cotton and 50% polyester. As a result of this combination, high tensile strength and tear strength is optimized. It is also protected against rotting and mildew. Telescopic shafts are used to extend and retract the canopy with the help of a tubular motor, which is inserted into the roller tube. Aluminum Alloy 7075-T6 is used for the support beam, roller tube, front rail and mounting brackets. Extending and retracting the canopy is achieved by a single flick of a switch.