

## Case Study

# Control Cables Certification

**Demes Kablo manufactures a wide variety of low voltage flexible control cable products as part of their comprehensive cable offering. All products are exported to international markets. In the UK, products are supplied into leading cable wholesalers and stockists. The company has over 40 years of experience in producing cable products for use in a diverse array of end applications.**

Headquartered in Istanbul, Demes Kablo is a family owned business that operates from their 10,000m<sup>2</sup> production facility, in addition to a separate location in Ethiopia. The company prides itself on being customer focussed, by closely following new industry developments and technologies to differentiate themselves in the sector. As part of achieving this, the business continually invests in resources to develop their product lines and evidence high levels of quality. BASEC supports Demes Kablo by undertaking control cable testing and certification requirements to verify cable conformity.

Third generation family member Simge Yüksel, who is an electrical engineer at Demes Kablo, comments "quality is of extremely high importance to the company, we endeavor to provide our customers with the best products and service possible to meet their needs. In partnering with BASEC we can provide confidence to our customers, that the approved control cables have been rigorously tested to prove their consistent and efficient performance, in line with the specification."

## Improving Safety and Efficiency

A major factor impacting the quality of non-approved control cables is the braiding design element of the product. There is currently a great amount of inconsistency within the market as to the percentage of braiding coverage present. In addition to this, the thicknesses and diameters can also vary significantly, all of which can affect the cable product's connection and electricity flow, which is vital for efficient use in its end application. With support from BASEC these safety critical aspects of the cable were addressed and thoroughly measured to ensure consistent levels of quality were met in relation to these areas. In choosing to gain BASEC's control cables Scheme Certification programme, Demes Kablo demonstrate their dedication to safety.

The scheme offers the cable industry, including those who manufacture, specify or source control cable products a way of improving and evidencing the levels of quality and safety that the cables hold. The products undergo an all-inclusive testing programme to drive and benchmark consistent levels of quality in the industry for the benefit of stakeholders throughout the supply chain.



## Market Standardisation

Demes Kablo has produced new YY, CY and SY control cable formats whilst undergoing their approval to the BASEC developed specification, in order to raise product quality levels. The certification scheme is currently the only one of its kind specific to the control cable industry.

Six specifications were developed by BASEC to assess control cables, including BA 1411, BA1413, BA 1415 specifically for polyvinylchloride (PVC) compositions, and BA 1412, BA 1414 and BA 1416 in relation to low smoke halogen free (LSHF) compositions.

Simge Yüksel comments 'BASEC has helped us to improve the safety and efficiency of our cable products with their expert advice, the team also supported us in finding new solutions to develop these product ranges and overcome the design challenges we faced. The specifications help us step towards standardised quality and we are dedicated to driving this forward for the benefit of our customers'.

## Evidence Consistency

Scheme C control cable certification supports Demes Kablo in their mission to becoming a leading supplier of these products to the global markets. It enables them to establish consistency. In setting guidance levels in relation to important design and performance factors such as braiding coverage, insulation thicknesses and cable diameters, BASEC is helping to reduce the risk to safety in such surroundings by supporting cable manufacturers to develop innovative designs that are fit for the future. Approved control cables also have several benefits such as a smaller and more manoeuvrable structure, allowing for installation into more compact end applications. By nature, control cables are typically installed within harsh environments such as industrial surroundings.

Gaining third party approval from BASEC for control cables enables the evidencing of cable quality, giving end users confidence that the cables performs and has passed rigorous testing procedures to demonstrates safety, when specified or sourced from a certified manufacturer. Approved manufacturers are able to differentiate themselves in the market, setting themselves apart from competitors, as trusted producers of control cables for years to come.

**Be part of the journey.**



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