Ultra-flexible flat silicon cables designed for telepresence robot applications

Designed for today’s demanding Mobile Video-Conference & Telepresence Robot applications, Cicoil's ultra-flexible flat silicone cables are halogen-free, flame retardant and perform exceptionally well in confined area environments. In addition, Cicoil’s unique designs provide premium current carrying capacity, reduced skewing effects, weight & space savings, tighter bend radius and consistent electrical characteristics.

Cicoil's proprietary extrusion process allows individual components to be placed in a flat cable, precisely controlling the spacing of the inner components, the insulation thickness and the overall cable shape. This unique silicone is "self-healing" from small punctures and cable jacket damage can easily be repaired in the field. In addition, the non-contaminating, silicone encapsulation will not delaminate or degrade due to exposure to steam, water, alcohol, UV light, high heat (+260°C), humidity, mechanical stress, vibration, shock and many chemicals.

Cicoil's light-weight cables can incorporate any variety of power conductors, shielded signal pairs for superior EMI/RFI suppression (Cat 5e, USB, FireWire) and coax conductors in a single, compact cable design. In addition to every type of electrical conductor, the cables can also include single and multi-lumen tubing, and other design elements like Cicoil' patented StripMount™ fastening strip, all in the same cable, precisely controlling the inner component spacing, jacket thickness and the overall cable shape.

Cicoil
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