

Cable Construction

Hard Wired for Easy Living

Cable on a show is like oxygen; you don't notice it until it's not there, and then you're really in trouble. The normal sequence of events is, a big pile of cable arrives at a location, and then a production company is built around it. The cable stays in service until, well, we don't yet know how long, but chances are, this is your father's cable. Under normal circumstances, cable is not an expendable, and a good cable will last a very long time.

Creative Stage Lighting has parlayed 26 years of wholesale distribution experience and manufacturing expertise into their range of Dura-Flex™ cables and assemblies. According to company President George Studnick, "Our philosophy is to produce the best possible cables for the entertainment industry. In keeping with that philosophy, every Dura-Flex cable, without exception, carries both UL and CSA approval. In developing Dura-Flex, we took a very thorough and analytical approach. We considered the impact our cables would have on everyone working with them, from the

technicians who fabricate cable assemblies to the crew in the shop and on the road."

Dura-Flex multi-cable employs paper tape, rather than talc, as a slipping agent because of its inherent benefits. Creative Stage Lighting pioneered the use of paper tape in entertainment multi-cable, adapting technology from the robotics industry, where constant-flex applications demand in excess of 10 million cycles without failure. Paper tape eliminates the use of hazardous talcs, making for a cleaner and healthier environment for technicians to work in. Besides the mess it leaves at the

soldering station, talc can shift and settle, whereas paper tape remains in constant contact with the internal conductors of the multi-cable, eliminating binding during coiling and uncoiling. Internal conductors made of fine copper stranding combine with the paper tape slipping agent to prevent pig-tailing and bird-caging.

Along with being durable and safe to work with, Dura-Flex was designed to make cable assembly quick and easy. Multi-cables feature clearly labeled high current conductors matching Link LKS,



Socapex and Veam VSC pin configurations. The #1 conductor is easily identified by its bright red color, while conductors 18 and 19 feature green and green striped identification.

In order to put the durable into Dura-Flex, Creative developed a proprietary jacket compound that weighs 50% less than a conventional SOWA multi

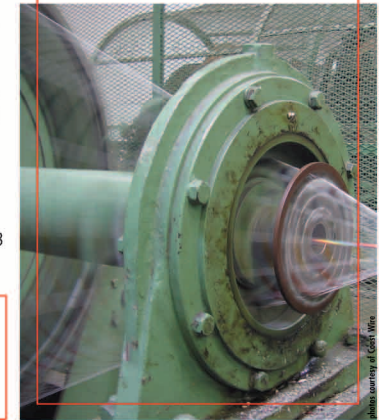
cable jacket, providing increased durability while avoiding a penalty for increased weight. "We engineered a complete construction technique that ensures the most effective lay length for extended flex-life and maximum durability," says Studnick.

Creative's best possible cable philosophy is carried throughout their entire product line. To provide protection against interference and external noise, Dura-Flex DMX cables feature a 100% braided shield and Mylar-foil shield with drain wire, rather than relying solely on a Mylar-foil shield. Dura-Flex has specifically tuned capacitance and impedance characteristics to guarantee data transmission in accordance with USITT specifications.

In addition to 12/19, 12/14, 14/19, 14/14 and 16/18 multi-cable, Creative Stage Lighting offers Dura-Flex cable designed specifically for DMX-512, communication, microphone, chain hoist and color changer applications.

Compiled by PLSN from information provided by Coast Wire and Plastics Technology, Creative Stage Lighting, TMB and Lex Products.

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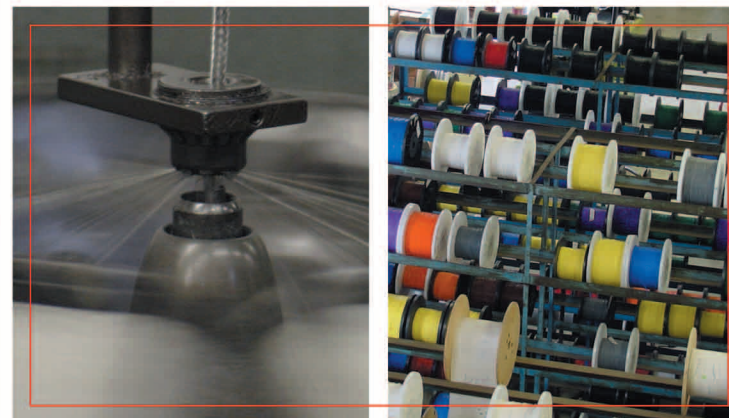
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Demand the Best!

Quality, the essential element in every show you do. For this very reason, every Dura-Flex cable is built to the highest quality standards with an uncompromising attention to detail. Fine copper stranding and a proprietary PVC jacket compound provide an unmatched synthesis of durability and flexibility. For your next project, insist on quality. Demand Dura-Flex and receive the Best!

DURA-FLEX

16x18 14x7 14x14 14x19 12x14 12x19 16x6 14x3 DMX Mic

break-ins & break-outs multi-cables hoist power & control UL and CSA Approved

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