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NEW PRODUCT PRESS RELEASE

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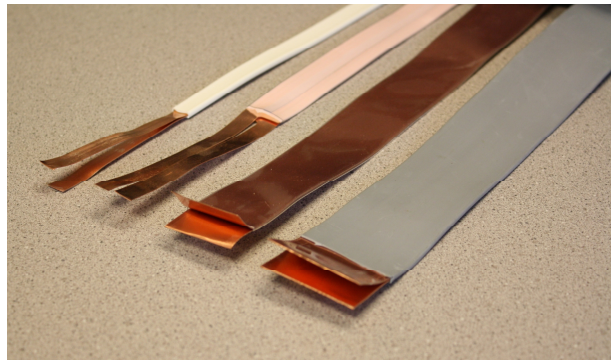
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Alpha-Core Introduces Power Cables for Pulsed Lasers

Alpha-Core division of Bridgeport Magnetics Group, Inc. has developed a flat power cable for pulsed laser applications where high power pulses must be transmitted with extremely low impedance without distortion. Applications include military products such as range finding, targeting and radar. In addition industrial applications include medical devices for diagnosis and treatment; metrology; navigational aids of ships, machining, safety scanners, automobiles and more.

In many applications laser diodes and their power supplies must be physically separate and a need has arisen for appropriate interconnects. To limit voltage drop and signal loss along the cable for pulsed lasers, the interconnect must offer both low resistance and extremely low inductance, also needed to maintain rise and fall times within the nanosecond range required for the high power bursts.

The new BM Pulse Cable series is utilizing the technology Alpha-Core developed for its LAMINAX product line of film insulated copper band and foil conductors. The flat BM Pulse Cable

features two ribbon shaped conductors; each enclosed in a micro thin, high grade polymer film, typically Polyester or Polyethylene Naphthalene. The film is bonded to the base metal in a proprietary process. The two conductors are laminated inside a common jacket of PVC or Polyolephine resin.

The extremely low inductance of the BM Pulse Cables is the effect of the conductor width, their close mutual distance, parameters of which result in a high capacitance. The square root of the L/C (Inductance to Capacitance) ratio is termed Characteristic Impedance, a quality inherent in any cable dependent on its geometry and materials but independent on its length. The BM Pulse Cables offer values of Characteristic Impedance from below ten Ohms to maximum one Ohm for the heaviest type.

High power pulsed lasers are designed for extremely low duty cycles, mostly well below 1%. Typical pulse lengths range from 100 to 200 nanoseconds with repetition rates in the KHz range. The short pulse currents may reach as high as 100 Amperes, requiring fast power transistors and carefully designed electric circuits.

The new BM Pulse Cable is available in standard models with characteristic impedance values of 4 Ohm, 2.5 Ohm, 1.7 Ohm and 1.0 Ohm. Prices start at \$3.00 per foot. Stock to 3 weeks.

For more information please visit www.alphacoredirect.com, or email sales@bridgeportmagnetics.com or call 1 800 836 5920.

Alpha-Core Inc. was founded in 1982 by Ulrik Poulsen. Bridgeport Magnetics Group Inc. was formed in 2008 and Alpha-Core and its sister company Tortran Inc. became divisions of the new company. Sandu Pescaru is co-owner and Vice President.