



TECHNICAL BULLETIN TB001

From: Tesco Products-Applications

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Re: EC\EC\EMI Service Loop Storage

Alternating current produces an oscillating magnetic field around any conductor that transmits power to a load. The amount of inductance that can be imposed on adjacent conductors can vary depending on the requirement of the load and the spacing between the conductors.

Inductance creates heat. Multi-conductor cables already have a current de-rating factor applied and therefore meet the requirements of the Canadian Electrical Code but when the cables are installed in close proximity to other cables, or themselves – as is the case on the hose/power reel, the heat build up becomes cumulative.

It is therefore a Tesco requirement that when the topdrive is installed in the derrick and operational, ***all remaining cables be removed from the reel and routed in a manner that will reduce the effects of inductance (e.g. straight line or W pattern).***

***If there are any questions related to this Technical Bulletin please contact
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