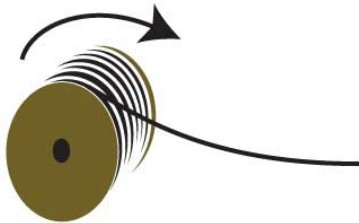


June 2014

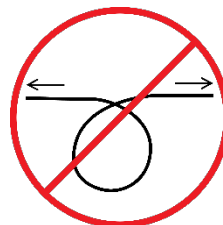
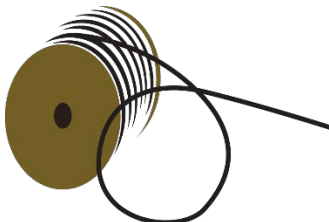
## ProPlex Fibre® – Proper Care and Handling

FIBRE IS FRAGILE! ProPlex Fibre cables are built to exceed the durability of any other fibre-optic data cables on the market. However, all fibre-optic cables require special handling. The cable jacket and insulation can be as tough as nails, but fibre-optic strands are by nature fragile. When fibre-optic strands are cabled in a flexible jacket for portable use, there is risk of internal damage when improperly handled. All ProPlex Fibre cables have “ruggedized” jackets and insulation, some with internal Steel Wire Armoring. All are very resistant to cutting, crushing, and environmental factors. However, with all fibre-optic cables, including ProPlex Fibre, certain handling rules apply:

- 1) “Last in – First out”: Given the hectic conditions during load-in and tear-down of any production, and the abuse cables can receive in these circumstances, it is recommended that special attention and priority is given to coiling and packing up any fibre cables, including ProPlex Fibre. Loading in fibre cables last and loading out first will help prevent tangling with other cables and possible damage. Always give special care and attention to any handling, positioning, or storing of fibre cables, including ProPlex Fibre.
- 2) **Avoid kinking.**
- 3) Avoid twisting and hard pulling, which may cause kinking or breakage.
- 4) Avoid a tight radius on any bends. A good rule of thumb is that the radius of any bend shall not be less than ten times the diameter of the cable.
- 5) Lay and/or spool flat without twisting as this can cause kinking and ultimate failure. If cable is on a reel, keep the reel under tension and roll the cable carefully off, avoid freewheeling or spinning of the reel which may cause loose cable and twisting.



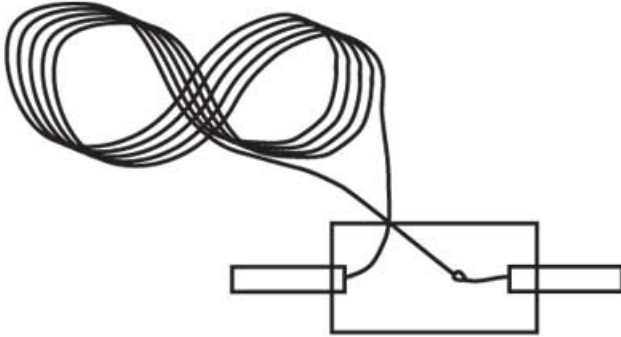
- 6) Pulling on a loop can result in kinking. If cable is on a reel, *be especially careful not to let loops fall off the side.*



(cont.)

## ProPlex Fibre® – Proper Care and Handling (cont.)

- 7) When laying cable out for a long pull, use a "figure-8" on the ground to prevent twisting. The figure-8 puts a half twist in on one side of the "8" and takes it out on the other, preventing twists which may cause kinking.



- 8) It is recommended that longer lengths (10m+) of fibre cables, including ProPlex Fibre, be kept on reels.\* If not kept on reels – and therefore hand-coiled after use – it is recommended the cable be carefully coiled and stored in a figure-8 configuration (see above and below) to avoid twisting and possible kinking.



- \* Single cables – Reel or figure-8 in rectangular trunk/flight case, either are recommended.  
Multiple cables banded together – Reel *not* recommended. Figure-8 recommended.

For any questions, please contact TMB 24/7 Technical Support using the contact information below.

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