

## TMS / ITS - Approved Products List

### Pre-terminated/Armored Fiber Optic Pigtail Cable

The pre-terminated end of the cable is installed in roadside cabinets. The unterminated cable end is pulled through conduit and spliced to the fiber optic trunk cable in the splice vault. The cable used for this assembly shall be one of the approved single mode cables from the approved list found at: <http://www.dot.state.mn.us/products/tms-its/fibercables.html>

The device shall meet the following requirements:

1. Contain ultra-polished, FC/PC design connectors attached to the fibers within an environmentally sealed enclosure and connected to adapters securely mounted to the enclosure.
2. The connector assemblies shall have zirconia ceramic ferrules and sleeves and meet or exceed the latest version of Telcordia GR-326 CORE specifications.
3. The typical connector return loss after assembly polish is -57 dB, -55 dB minimum.
4. Shall be a non-filled type enclosure design, outdoor rating of -40 to +70 C (-40 to 158 °F) or better.
5. The 6 fiber connector device shall have approximate dimensions of 9" long, 1.75" wide and 1.75" deep. The length and width include the panel mount flanges.
6. The 12 fiber connector device shall have approximate dimensions of 13" long, 1.75" wide and 1.75" deep. Panel mounting flanges are included in the length and width dimensions.