



The fiber-optic cables TU BY 100886904.020-2012 (SUIK.755752.001) are designed for the organization of communication between fixed and mobile units, as well as between deployed units via fiber-optic communication lines.

The fiber-optic cables are the cables armoured with multi-pole connectors on both sides. The fiber-optic cables are single-mode and multimode.

The fiber-optic cables allow operational laying of temporary fiber-optic communication lines and their connection to the fiber-optic transmission systems' fixed equipment via optical board connectors, fixed on cable entries.

The fiber-optic cables are designed for laying over ground surface, in ground, across bridges and scaffold bridges, air communications tower supports, water crossings up to 10m depth.

### Cable basic characteristics:

Cable nominal diameter, mm.	5,8
Optical poles quantity, pcs.	4
Cable weight less than, kg/km.	28,4
Cable factory length: On the drums of "A" and "B" P-296M type, m On own-produced aluminum drum	On the drums of the following types: - "A" - 2000; - "B" - 1000; -300; Or any other length within these parameters limits at the Customer's request
Bend radius, less than, mm	46,4
Inserted losses less than dB per 1 km of metalclad cable, on the cable connector	0,22 1,5
Limiting temperatures and their variation range	-70°C ... + 85°C.
Operational temperatures	-55°C ... + 85°C

### The optic fiber type G.625D.

All characteristics of the cable meet the standards applied for field fiber-optic communication lines in the armies of NATO countries.

The cable advantages: optical board connectors (factory lengths junctions) are made according to the technology provided an optical signal transmission and absence of pins damage at dust, moisture and sand grains intrusion in the board connector.

The following equipment may be included in the delivery set except the cable: board connectors, fixed on the cable entries; optical loopback adapter (for a cable section and equipment loopback test); maintenance optical cable coupling sleeve for the cable repair (welding) in the field conditions.

