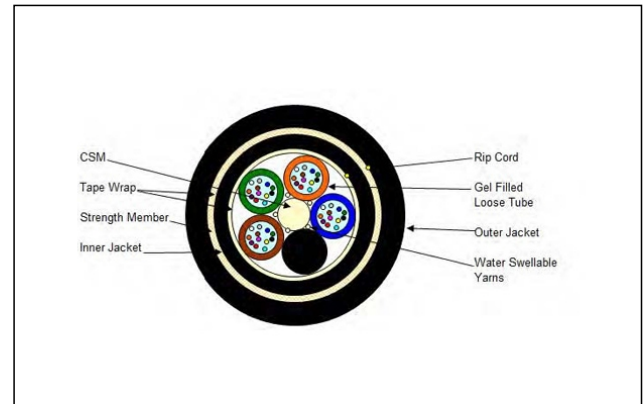


Part No.: 25-XXX-76E-MBSXWN

## 25-XXX-76E-MBSXWN

### Scope

This document establishes the specifications for an outdoor, heavy duty, all-dielectric, singlemode, dry block fiber optic cable in a loose buffer tube design.



### Applications

Outdoor duct/aerial lashed

### Applicable Documents

- TIA/EIA FOTP Standards 455
- Color Coding of Fiber Optic Cables TIA/EIA-598
- RUS 1755.900
- GR-20-CORE

### Overall Cable Construction

- Buffer tube
  - High Modulus Polymeric material.
- Dimension: 2.8 mm for 6 fiber cable, 2.23mm for 4 fiber cables and 1.98mm for 2 fiber cables, nominal  
Tube and fiber color code per EIA/TIA-598 or as specified by customer.

- Filling compound: A non-toxic and dermatological safe antioxidant hydrocarbon based gel.
- Dielectric Central strength member.

Epoxy fiberglass rod with an up-coat of polymer (if necessary per construction).

Cable Core:

The cable elements are stranded around the CSM, using reverse oscillation.

Moisture Resistance: A water blocking tape is applied over the cable core to prevent water ingress and migration with a nominal of 25% overlap.

- Non-wicking binder yarns are applied over the core tape.

Inner Sheath

UV Resistant MD Black Polyethylene. (or color per customer request)

- A ripcord is applied under the sheath.
- Moisture Resistance  
A water blocking tape is applied over the inner sheath to prevent water ingress and migration with a nominal of 25% overlap.
- Cable strength  
Circumferential strength members are placed over the water blocking tape and under the outer sheath.

Outer Sheath

UV Resistant MD Black Polyethylene. (or color per customer request)

A ripcord is applied under the outer sheath.

Cable Markings

