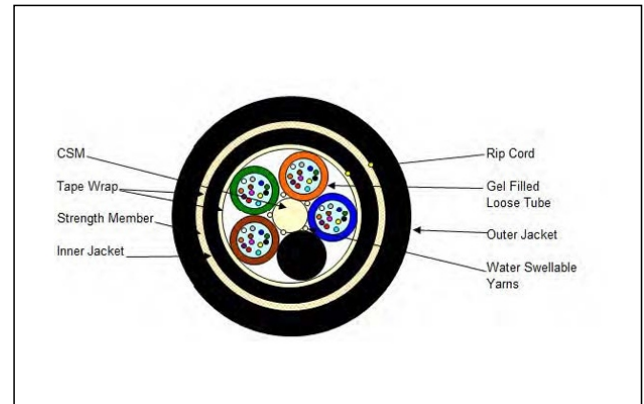


Part No.: 25-XXX-12C-MBSXWN

25-XXX-12C-MBSXWN

Scope

This document establishes the specifications for an outdoor, multimode, heavy duty, all-dielectric, dry block fiber optic cable in a loose buffer tube design suitable for OSP in duct or aerial lashed.



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 76 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

