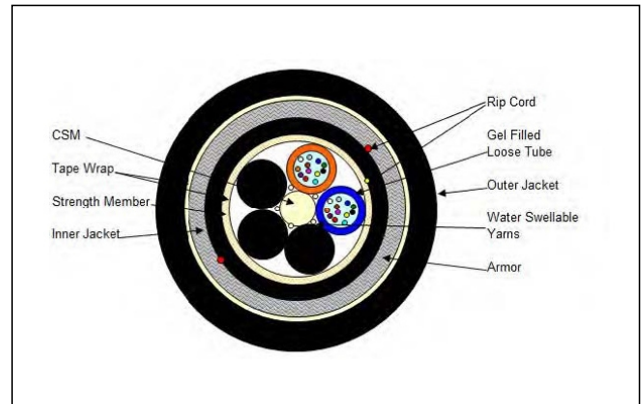


Part No.: 23-XXX-74E-MBSXWN

23 Series Loose Tube Double Jacket Single Armor SM Enhanced

Scope

This document establishes the specifications for an outdoor, direct burial, armored singlemode fiberoptic cable, in a dry block loose buffer tube design.



Applications

Outdoor duct/aerial lashed/direct burial

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., 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 glass rod with an up-coat of polymer (if necessary per construction).

- Water swellable yarns are to be pulled in with the CSM.

- 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.

Cable strength

Circumferential strength members are placed over the cable core and under the outer sheath.

- Inner Sheath

Polyethylene

A ripcord is applied under the inner sheath.

Moisture Resistance

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

- Steel Armor tape

