

Part No.: 55-XXX-12C-MBCXNN

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Scope

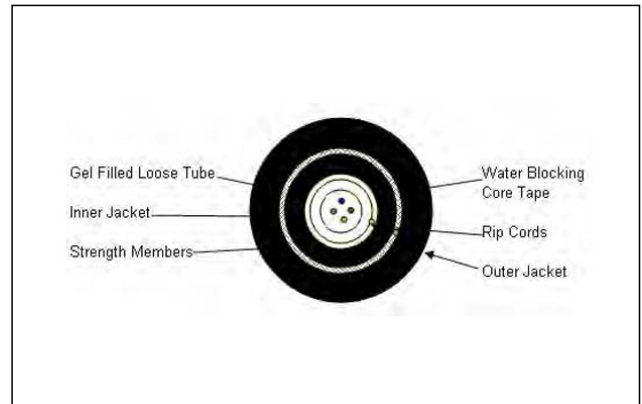
This document establishes the specifications for an outdoor, heavy duty, multimode, central loose tube design with a PE jacket.

Applications

Outdoor duct/aerial lashed

Applicable Documents

TIA/EIA FOTP Standards 455
- Color Coding of Fiber Optic Cables TIA/EIA-598

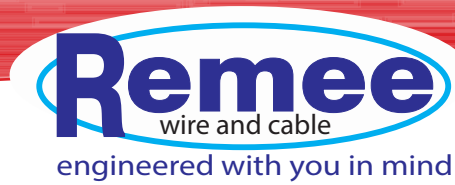


Overall Cable Construction

- Buffer tube
 - High Modulus Polymeric material.
Dimension: 3.0 mm., nominal.
Tube color: white
Fiber color code: per TIA/EIA-598
 - Filling compound: A non-toxic and dermatological safe antioxidant hydrocarbon based gel.
 - Cable Core:
The cable core consists of the buffer tube with a moisture resistant water-blocking tape applied over the tube to prevent water ingress and migration with a nominal of a 25% overlap.
 - Inner sheath
MD PE
 - A ripcord is applied under sheath.
 - Cable strength
Circumferential strength members are placed over the inner sheath and under the outer sheath.
 - Outer Sheath
UV Resistant Black MD PE.
Wall thickness (nominal): 1.52mm.
A ripcord is applied under outer sheath.
- Cable Markings
REMFO 55 SERIES, FIBER OPTIC CABLE, XX (No. of Fibers)-50/125, REMEE PRODUCTS CORP., MM/YY (Month & Year of Manufacture), sequentially marked.

Fiber Attenuation

$\leq 3.0 / 1.0$ dB/km



Fiber Bandwidth

$\geq 500/500\text{MHz-km}$

Mechanical & Environmental Performance

Maximum Tensile Load for:

- Installation: 2700N / 607lbf

- Long Term: 890N / 200lbf

Minimum bending radius:

- Loaded: 20 x diameter

- Unloaded: 10 x diameter

Crush Resistance: 220N/cm

Impact Resistance: 25 Impacts (min.)

Flexing, $\pm 90^\circ$: 25 Cycles (min.)

Temperature Rating:

Operation, -40°C to $+70^\circ\text{C}$

Installation, -0°C to $+70^\circ\text{C}$

Storage, -40°C to $+75\pm\text{C}$

Preparation for Shipment

The cable shall be packaged to preclude the inducement of damage, due to handling and transportation, and shall be in accordance with the best commercial practices available.

Warranty Info

All warranty information can be viewed at www.remee.com.

This product is RoHS compliant and is directive 2002/95/EC.

It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.