

Part No.: 55-XXX-74E-MBCXNN

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### Scope

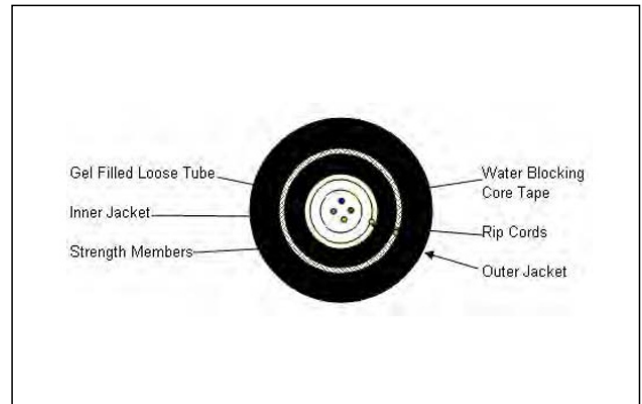
This document establishes the specifications for an outdoor, heavy duty, singlemode OS12, central loose tube design with a PE jacket.

### 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)-SM, REMEE PRODUCTS CORP., MM/YY (Month & Year of Manufacture), sequentially marked.

### Fiber Attenuation

$\leq 0.35/0.25$  dB/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,  $-40^\circ\text{C}$  to  $+70^\circ\text{C}$   
Installation,  $-0^\circ\text{C}$  to  $+70^\circ\text{C}$   
Storage,  $-40^\circ\text{C}$  to  $+75^\circ\text{C}$

## 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](http://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.