

Part No.: 11-XXX-76E-ABNOOF

## 11 Series Distribution Tight Buffer Indoor/Outdoor SM Enhanced (2-12 Fiber) OFNR

### Scope

This document establishes the specification requirements for a distribution indoor/outdoor, singlemode OS2 fiberoptic cable. This cable construction consists of singlemode fibers in a distribution tight-buffered design with a riser rated PVC jacket suitable for outdoors in duct, indoors in the riser and acceptable in tray installation as well.

### Applications

Riser Indoor or Outdoor in duct

### Applicable Documents

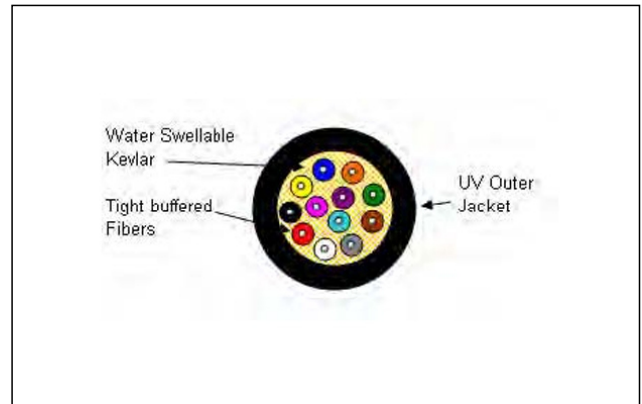
- TIA/EIA FOTP Standards 455
- Color Coding of Fiber Optic Cables TIA/EIA-598
- UL 1666
- GR-409-CORE

### Overall Cable Construction

- Tight Buffered Fiber
- Dimension: 900 $\mu$ m, nominal.  
Tight buffered fiber color code: 1-blue, 2-orange, 3-green, 4-brown, 5-slate, 6-white, 7-red, 8-black, 9-yellow, 10-violet, 11-rose, and 12-aqua.
- Cable strength  
Aramid yarns with water swellable characteristics are pulled in with the tight-buffered fibers under the outer jacket.
- Outer Sheath  
Pressure extruded black UV resistant riser rated PVC jacket (or color per customer request)
- Cable Markings  
REMFO 11 SERIES, FIBER OPTIC CABLE, XX (No. of fibers)-SM, REMEE PRODUCTS CORP., MM/YY (month & year of manufacture), OFNR C(ETL)US, Sequentially meter marked.
- Special print as required by customer.

### Fiber Attenuation

$\leq 0.40/0.30$  dB/km





## Mechanical & Environmental Performance

Maximum Tensile Load for:

Installation:

- 2&4-fiber 1405N/315lbf,
- 6&8-fiber 1610N/362lbf
- 12-fiber 2700N/600lbf

Long Term:

- 2&4-fiber 455N/102lbf,
- 6&8-fiber 535N/120lbf
- 12-fiber 600N/135lbf

Minimum bending radius:

- Loaded: 20 x diameter
- Unloaded: 10 x diameter

Impact Resistance: 25 Impacts (min.)

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

Temperature rating:

Operation,  $-40^\circ\text{C}$  to  $85\pm\text{C}$

Installation,  $0^\circ\text{C}$  to  $75\pm\text{C}$

Storage,  $-55\pm\text{C}$  to  $85\pm\text{C}$

Crush Resistance: 100N/cm

## 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.