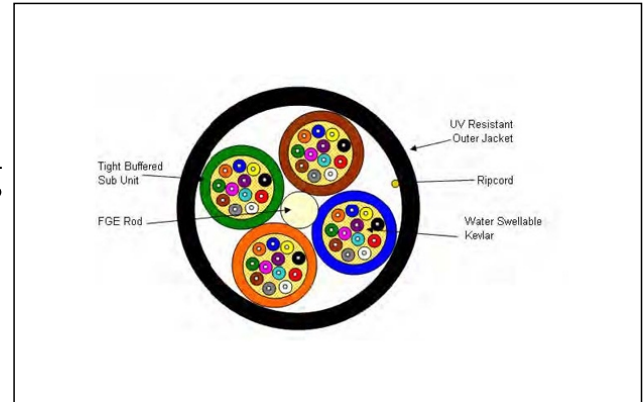


Part No.: 11-XXX-12D-GBSXXF

## 11 Series Distribution Tight Buffer Indoor/Outdoor 50Micron MM 10Gig OM2 (12+ Fiber) OFNR



### Scope

This document establishes the specification requirements for an indoor/outdoor distribution fiberoptic cable. This cable construction consists of multimode laser optimized OM2 fibers in a distribution tight-buffered design with a riser rated PVC jacket suitable for outdoors in duct and indoors in the riser and acceptable in tray installation as well.

### Applications

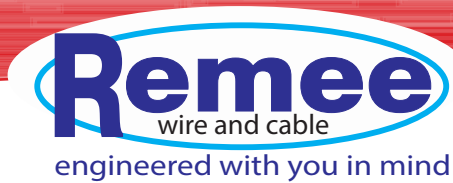
Riser Indoor or Outdoor in duct

### Applicable Documents

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

- Tight Buffered Fiber
- Dimension: 900µm, 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.
- Sub-unit consists of water swellable aramid yarns that are pulled in with the tight-buffered fibers under a sub-unit jacket. The subunits are colored per TIA/EIA-598 or orange and are numbered for identification.
- Cable strength Member  
Fiberglass Epoxy Rod (dielectric)
- An up coat of PVC (if necessary per construction for symmetry).
- Cable Core  
Sub-units and fillers (if needed) are stranded around the CSM, using reverse oscillation.
- Binder yarns are applied over the cable core.
- Outer Sheath  
UV Resistant Black riser rated PVC jacket (or color per customer request)
- Cable Markings



REMFO 11 SERIES, FIBER OPTIC CABLE, XX (denotes number of fibers)-50/125, OM2 10GIG, REMEE PRODUCTS CORP., MM/YY (month & year of manufacture), OFNR C(ETL)US, Sequentially marked.

- Special print as required by customer.

## Fiber Attenuation

$\leq 3.0 / 1.0$  dB/km

## Fiber Bandwidth

$\geq 750 / 500$  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,  $-40^\circ\text{C}$  to  $+85\pm\text{C}$

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

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

## 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.