

Issue Date: 08/24/2012 Revision #: 3

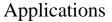
able Revision #

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.



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)

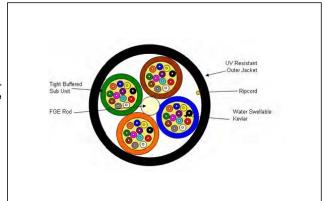
- An up coat of PVC (if necessary per construction for symmetry).
- Cable Core

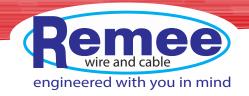
Sub-units and fillers (if needed) are stranded around the CSM, using reverse oscillation.

- 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

<=3.0/1.0 dB/km

#### Fiber Bandwidth

>=750/500MHz-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, ±90°: 25 Cycles (min.) Temperature Rating: Operation, -40°C to +85±C Installation, 0°C to +75±C Storage, -55±C to +85±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.