

Part No.: 11-XXX-12H-AASXNF

## 11 Series Distribution Tight Buffer 50Micron MM 10Gig OM4 (12+ Fiber) OFNR

### Scope

This document establishes the specification requirements for an indoor distribution fiberoptic cable. This cable construction consists of OM4 multimode fibers in a distribution tight-buffered design with a riser rated PVC jacket suitable for indoors in the riser or acceptable in tray installation as well.

### Applications

Riser Indoor

### 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.
- Sub-unit consists of aramid yarns that are pulled in with the tight-buffered fibers under a sub-unit jacket.
- 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.
- A non-wicking and non-hygroscopic tape is applied longitudinally with a nominal 25% overlap.
- Binder yarns are applied over the core tape.
- Outer Sheath  
Aqua riser rated PVC jacket (or color per customer request)
- Cable Markings  
REMFO 11 SERIES, FIBER OPTIC CABLE, XX (denotes number of fibers)-50/125 OM4 10GIG, REMEE PRODUCTS CORP., MM/YY (month & year of manufacture), OFNR C(ETL)US, Sequentially marked.



