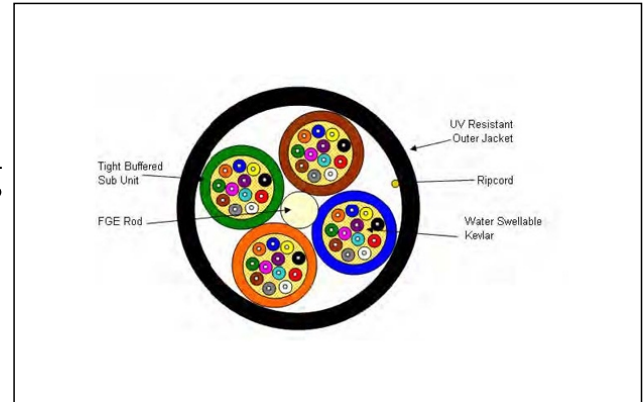


Part No.: 11-XXX-12H-GBSXXF

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



Scope

This document establishes the specification requirements for an indoor/outdoor distribution fiberoptic cable. This cable construction consists of multimode OM4 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
-

Overall Cable Construction

- Tight Buffered Fiber
- Dimension: 900 μ 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 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, OM4 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

$\geq 3500 / 500$ 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°C to $+85^\circ\text{C}$
Installation, 0°C to $+75^\circ\text{C}$
Storage, -55°C to $+85^\circ\text{C}$

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.
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.