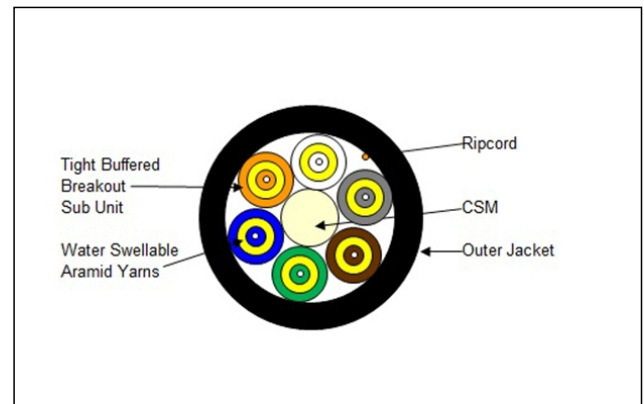


Part No.: 12-XXX-12C-GBXAXF

## 12-XXX-12C-GBXAXF

### Scope

This document establishes the specification requirements for an indoor/outdoor multimode, fiberoptic breakout cable. This cable construction consists of tight-buffered fiber in a sub-unit construction with an overall riser rated PVC jacket.



### Applications

Riser Indoor or Outdoor in duct

### Applicable Documents

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

### 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, 12-aqua (or per customer request)
- Sub-unit consisting of 1 fiber per unit.  
Thermoplastic Elastomeric Material
- Water swellable aramid yarns are pulled in with the tight-buffered fiber under the sub unit jacket.
- Dimension: 2.4mm
- Sub-unit color code: 1-blue, 2-orange, 3-green, 4-brown, 5-slate, 6-white, 7-red, 8-black, 9-yellow, 10-violet, 11-rose, 12-aqua or numbered orange channels with white tight buffered fibers. (or per customer request).
- Central Strength Member (No CSM on 12 fiber cable)  
Fiberglass Epoxy Rod (Dielectric)
- If necessary, an up-coat of PVC.

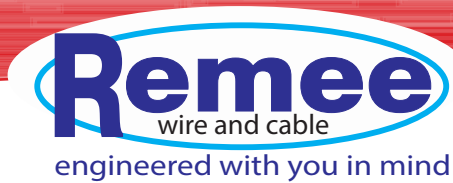
#### Cable Core

Sub-units and fillers if necessary are stranded around the CSM where applicable.

- Binder yarns are applied over the core.
- Outer Sheath  
Pressure Extruded UV Resistant Black Riser rated PVC (Color as required by customer)
- A ripcord is applied under the outer sheath.

#### CABLE MARKINGS

REMFO 12 SERIES, FIBER OPTIC CABLE, No. of Fibers-50/125, REMEE PRODUCTS CORP., MM/YY (month & year of



manufacture), OFNR C(ETL)US, Sequentially meter marked.

- Special print as required by customer.

## Fiber Attenuation

$\leq 3.0 / 1.0$  dB/km

## Fiber Bandwidth

$\geq 500 / 500$  MHz-km

## Mechanical & Environmental Performance

Maximum Tensile Load for:

- Installation: 2&4-fiber 1900N/427lbf,
- 6 to 36-fiber 2700N/600lbf
- Long Term: 2&4-fiber 760N/171lbf,
- 6 to 36-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.