

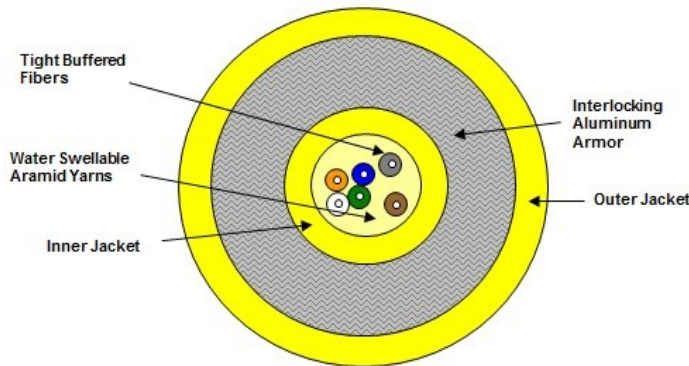
Part No: REMEX33XXXXXXXXIALR

Issue Date: 05/08/2026

Revision #: 10

## Remex33-Series Interlock Armor I/O Tight Buffer Distribution Fiber Optic Cable

### Cable Cross Section



(Representation of a standard 6 fiber construction)

### Scope

This document establishes the specification requirements for an indoor/outdoor distribution armored fiber optic cable. This cable construction consists of a distribution tight-buffer design with an interlocking armor and a plenum rated jacket.

### Applications

Outdoors direct burial, indoors in the plenum space and tray installations

### Applicable Documents & Standards

- TIA/EIA FOTP Standards 455
- Color Coding of Fiber Optic Cables TIA/EIA-598
- NFPA262
- Compliant with ANSI/TIA-568-C.3 standard
- ICEA S-87-640 Standard

### Cable Construction Details

- Tight Buffered Fiber  
Dimension: 900µm, Nominal
- Tight Buffer Color Code:  
As per TIA/EIA-598 standard or per customer requirement
- Cable Strength:  
Water swellable aramid yarns are pulled in with tight-buffered fibers under the inner sheath.
- Inner Sheath: UV resistant Remguard plenum rated polymer
- Inner Sheath Surface Print: REMEX 33-SERIES FIBER OPTIC CABLE XX (No. of Fibers)-XX (Fiber Type) INDOOR/ OUTDOOR REMEE PRODUCTS CORP. MM/YY OFNP C (ETL)US MADE IN USA
- Armor: Aluminum interlocking armor
- Overall Sheath: UV resistant Remguard plenum rated polymer
- Overall Sheath Surface Print: REMEX 33-SERIES FIBER OPTIC CABLE XX (No. of Fibers)-XX (Fiber Type) INDOOR/ OUTDOOR REMEE PRODUCTS CORP. MM/YY OFNP C(ETL) US MADE IN USA

### Codes & Listings

- C(ETL)US
- OFNP
- NFPA 262, FT-6 Flame Rating

**All warranty information can be viewed at [WWW.REMEE.COM](http://WWW.REMEE.COM)**

# Product Specifications

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| Nominal Cable Dimensions & Weights |                  |                  |                          |
|------------------------------------|------------------|------------------|--------------------------|
| Reme Products Part Number          | Number of Fibers | Cable OD in (mm) | Weight lb/1000ft (kg/km) |
| 33-002-XXX-RXNOOP                  | 02               | 0.170(4.3)       | 12 (18)                  |
| 33-004-XXX-RXNOOP                  | 04               | 0.185(4.4)       | 14 (21)                  |
| 33-006-XXX-RXNOOP                  | 06               | 0.200 (4.6)      | 18 (27)                  |
| 33-008-XXX-RXNOOP                  | 08               | 0.215 (5.0)      | 20 (31)                  |
| 33-012-XXX-RXNOOP                  | 12               | 0.250 (5.8)      | 26 (39)                  |
| 33-024-XXX-RXNOOP                  | 24               | 0.319 (8.1)      | 43 (64)                  |

\*Cables printed in meters will have a "-MR" suffix on the part number.

| Nominal Cable Dimensions & Weights |                  |                  |                          |
|------------------------------------|------------------|------------------|--------------------------|
| Reme Products Part Number          | Number of Fibers | Cable OD in (mm) | Weight lb/1000ft (kg/km) |
| REMEX3302XXXXIALR                  | 02               | 0.575 (14.6)     | 129 (192)                |
| REMEX3304XXXXIALR                  | 04               | 0.575 (14.6)     | 131 (195)                |
| REMEX3306XXXXIALR                  | 06               | 0.575 (14.6)     | 135 (201)                |
| REMEX3308XXXXIALR                  | 08               | 0.575 (14.6)     | 137 (204)                |
| REMEX3312XXXXIALR                  | 12               | 0.605 (15.4)     | 145 (216)                |
| REMEX3324XXXXIALR                  | 24               | 0.675 (17.1)     | 178 (265)                |

\*Cables printed in meters will have a "-MR" suffix on the part number.

| Jacket Color | Designation | B     | Y      | Z      | A    |
|--------------|-------------|-------|--------|--------|------|
|              | Color       | Black | Yellow | Orange | Aqua |

| Fiber Type (P/N)                                | Maximum Attenuation dB/km |         |         |         | Overfill Launch Min Bandwidth (MHz-km) |         | EMBc (MHz-km) | Gigabit Ethernet Minimum Link Distance (Meters) |         | 10 Gigabit Ethernet Minimum Link Distance (Meters) |         |
|---|---------------------------|---------|---------|---------|--|---------|---------------|---|---------|--|---------|
|   | 850 nm                    | 1300 nm | 1310 nm | 1550 nm | 850 nm                                 | 1300 nm |               | 850 nm  | 1300 nm | 850 nm   | 1300 nm |
|   | 62.5µm OM1 1GIG (22J)     | 3.2     | 1.0     | N/A     | N/A                                    | 200     | 600           | N/A   | 300     | 550  | 32      |
| 50µm OM2 10GIG (12D)                            | 3.0                       | 1.0     | N/A     | N/A     | 750                                    | 500     | N/A           | 800   | 550     | 150  | -       |
| 50µm OM3 10GIG (12N or 12L)                     | 3.0                       | 1.0     | N/A     | N/A     | 1500                                   | 500     | 2000          | 1000  | 550     | 300  | -       |
| 50µm OM4 10GIG (12V)                            | 3.0                       | 1.0     | N/A     | N/A     | 3500                                   | 500     | 4700          | 1040  | 550     | 550  | -       |
| 50µm OM4 10GIG (12T) Corning                    | 3.0                       | 1.0     | N/A     | N/A     | 3500                                   | 500     | 4700          | 1040  | 550     | 550  | -       |
| 50µm OM4 10GIG (12M) Prysmian                   | 3.0                       | 1.0     | N/A     | N/A     | 3500                                   | 500     | 4700          | 1040  | 550     | 550  | -       |
| 50µm OM5 10GIG (12W)                            | 3.0                       | 1.0     | N/A     | N/A     | 3500                                   | 500     | 4700          | 1040  | 550     | 550  | -       |
| SM OS2 G.652.D (76K&76E)                        | N/A                       | N/A     | 0.40    | 0.30    | N/A                                    | N/A     | N/A           | N/A   | 5000    | N/A  | 10000   |
| SM OS2 G.652.D (74K&74E)                        | N/A                       | N/A     | 0.35    | 0.25    | N/A                                    | N/A     | N/A           | N/A   | 5000    | N/A  | 10000   |
| SM OS2 G.652.D/G.657.A1 BIF (74B)*Prysmian      | N/A                       | N/A     | 0.35    | 0.25    | N/A                                    | N/A     | N/A           | N/A   | 5000    | N/A  | 10000   |
| SM OS2 G.652.D/G.657.A1 BIF (76B)*Prysmian      | N/A                       | N/A     | 0.40    | 0.30    | N/A                                    | N/A     | N/A           | N/A   | 5000    | N/A  | 10000   |
| SM OS2 G.652.D/G.657.A1 BIF (76U)* Corning      | N/A                       | N/A     | 0.40    | 0.30    | N/A                                    | N/A     | N/A           | N/A   | 5000    | N/A  | 10000   |
| SM OS2 G.652.D/G.657.A2, B2 BIF (76F)** Corning | N/A                       | N/A     | 0.40    | 0.30    | N/A                                    | N/A     | N/A           | N/A   | 5000    | N/A  | 10000   |
| SM OS2 G.652.D/G.657.B3 BIF (76Y)*** Corning    | N/A                       | N/A     | 0.40    | 0.30    | N/A                                    | N/A     | N/A           | N/A   | 5000    | N/A  | 10000   |
| SM OS2 G.652.D/G.657.A1 BIF (74V)*J-Fiber       | N/A                       | N/A     | 0.35    | 0.25    | N/A                                    | N/A     | N/A           | N/A   | 5000    | N/A  | 10000   |
| SM OS2 G.652.D/G.657.A1 BIF (76V)*J-Fiber       | N/A                       | N/A     | 0.40    | 0.30    | N/A                                    | N/A     | N/A           | N/A   | 5000    | N/A  | 10000   |
| SM OS2 G.652.D/G.657.A1 BIF (74O)*LS            | N/A                       | N/A     | 0.35    | 0.25    | N/A                                    | N/A     | N/A           | N/A   | 5000    | N/A  | 10000   |
| SM OS2 G.652.D/G.657.A1 BIF (76O)*LS            | N/A                       | N/A     | 0.40    | 0.30    | N/A                                    | N/A     | N/A           | N/A   | 5000    | N/A  | 10000   |

\* G.652d&G.657.A1 (76U&76B) Mandrel Radius of 10mm, 1 turn at 1550nm with an induced attenuation of ≤0.50dB (76U is Corning Ultra)& 76B is Prysmian Bendbright)

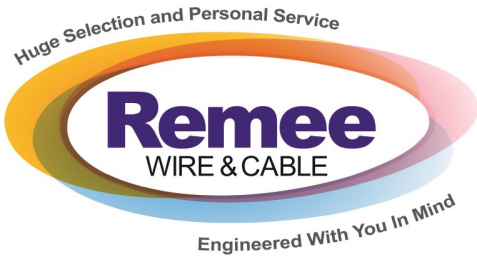
\*\* G.652d&G.657.A2,B2 (76F) Mandrel Radius of 7.5mm, 1 turn at 1550nm with an induced attenuation of ≤0.40dB (76F is Corning Clearcurve LBL)

\*\*\* G.652d & G.657.B3 (76Y) Mandrel Radius of 5.0mm, 1 turn at 1550nm with an induced attenuation of ≤0.10dB (76Y is Corning Clearcurve ZBL)

Measured attenuations on shipping reels will not exceed the nominal values by 0.75 dB/km

Please call the factory for all other fiber types

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FIBER OPTIC CABLE

# Product Specifications

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## Mechanical & Environmental Performance

### Cable Without Armor

- Maximum Tensile Load  
Installation : 2&4 fiber 1405N / 315lbf  
6&8 fiber 1610N / 362lbf  
12&24 fiber 2700N / 600lbf  
Long Term : 2&4 fiber 455N / 102lbf  
6&8 fiber 535N / 120lbf  
12&24 fiber 600N / 135lbf
- Crush Resistance  
100 N/cm
- Impact Resistance (min.)  
25 Impacts
- Flexing  $\pm 90^\circ$  (min.)  
25 Cycles
- Minimum Bending Radius  
Loaded: 20 x Diameter  
Unloaded: 10 x Diameter
- Temperature Rating  
Operation : -20°C to +85°C  
Installation : 0°C to +75°C  
Storage : -40°C to +85°C

### Cable With Armor

- Maximum Tensile Load  
600N / 150lbf
- Crush Resistance  
1000 N/cm

## Warranty Information

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.

## 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. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to shipment.

**Note:** While Remeë Products Corp. has made every reasonable effort to ensure the accuracy of the information in this document. Remeë Products Corp. reserves the right to make any adjustments to the information contained herein at any time without notice. Remeë Products Corp. expressly disclaims all implied warranties regarding the information contained herein, including but not limited to, any implied warranties of merchantability or fitness for particular purpose. The dimensions in this documents are for reference purposes only and are subject to change without notice.

## Spec Approval (Custom Designs Only)

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order. The Remeë Wire & Cable warranty is an integral part of this specification. This item may be non-cancelable and non-returnable.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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