



**Product:** [HI3B0020212RC](#)

Indoor Hybrid Copper-Fiber Cable, OM3, 2 Breakout Fibers, #12-2c, CL3R-OF

**Product Description**

FX HYBRID INDOOR, OM3, BREAKOUT 3.0MM, 2 FIBERS, 02 x 12AWG, CL3R-OF, 3.0MM SUB (1F X 900UM), AQUA JACKET

**Technical Specifications**

|              |               |
|--------------|---------------|
| Part Number: | HI3B0020212RC |
|--------------|---------------|

**Product Overview**

|                        |                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------|
| Environmental Space:   | Indoor                                                                                                             |
| Suitable Applications: | Distributed Antenna Systems (DAS), Passive Optical Network (PON), Wireless Access Points (WAP), Security (Cameras) |

**Construction**

**Fiber Cable Construction**

| Fiber Type | Fiber Count | Subunit Color | Subunit Color 2 |
|------------|-------------|---------------|-----------------|
| OM3        | 2           | Aqua          | Aqua            |

|                     |           |
|---------------------|-----------|
| Fiber Color Coding: | TIA-598-D |
|---------------------|-----------|

**Buffer Specification**

| Buffer Material          | Buffer Diameter |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | 900 µm          |

|                    |                        |
|--------------------|------------------------|
| Bulk Cable Weight: | 89 lbs/kft (133 kg/km) |
|--------------------|------------------------|

**SubUnit Specifications**

|                     |                  |
|---------------------|------------------|
| Fibers Per Subunit: | 1                |
| Subunit Diameter:   | 0.118 in (3.0mm) |

**Jacket Specifications**

|                  |   |
|------------------|---|
| Conductor Count: | 2 |
|------------------|---|

**Outer Jacket Material**

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.378 in (9.6mm) |

|                     |                   |
|---------------------|-------------------|
| Color:              | Aqua              |
| Number of Ripcords: | 1                 |
| Nominal Diameter:   | 0.342 in (8.7 mm) |

**Optical Characteristics**

|                             |           |
|-----------------------------|-----------|
| Fiber Core Diameter:        | 50/125 µm |
| Max Attenuation at 1300 nm: | 1.0 dB/km |
| Max Attenuation at 850 nm:  | 3.0 dB/km |
| Wavelength@Optical MM1:     | 850       |

**Mechanical Characteristics**

|                   |          |
|-------------------|----------|
| Crush Resistance: | 220 N/cm |
|-------------------|----------|

Mechanical Tests

| Description                                           | Requirement/Value |
|-------------------------------------------------------|-------------------|
| Cable Min. Bend Radius Installation (Short Term)      | 15x Cable OD      |
| Cable Min. Bend Radius Operation (Long Term)          | 10x Cable OD      |
| Cable Max. Tensile Strength Installation (Short Term) | Error             |
| Cable Max. Tensile Strength Operation (Long Term)     | Error             |

Temperature Range

|                          |                |
|--------------------------|----------------|
| Operating Temp Range:    | -20°C to +70°C |
| Installation Temp Range: | -10°C to +60°C |
| Storage Temp Range:      | -40°C to +70°C |

Standards

|                       |                |
|-----------------------|----------------|
| UL Rating/Flame Test: | Riser          |
| NEC/(UL) Compliance:  | CL3R-OF        |
| TIA/EIA Compliance:   | ICEA S-120-742 |
| REACH:                | Complies       |
| RoHS:                 | Complies       |

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.41 Revision Date: 06-18-2021 |
|----------------------|-------------------------------------------------|

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.