

# Fiber Code Addendum

## ADDITIONAL FIBER CODES FOR USE WHEN ORDERING PRYSMIAN CABLES

### BACKGROUND

In the interest of simplicity, only the most commonly specified fiber types are listed on Prysmian's cable datasheets. However, a wide variety of optical fibers is available. This addendum provides the Fiber and Attenuation codes necessary to specify most of these fibers.

The location of these codes in the Prysmian product code is shown in the example below:

**Fiber Count** **1** **2** **Cable Design** where **1** and **2** represent the 5th and 6th characters, respectively.  
 XXXX □ □ XXXXXXXXXXX

### FIBER CODES BY CATEGORY

#### Single-Mode Fiber in Standard OSP Cables

<b>1</b> <b>2</b>	FiberType	Test Wavelengths	Max. Attenuation
<b>GB</b>	G.652 Single-Mode Fiber	1310/1550 nm	0.35/0.25 dB/km
<b>HB</b>	G.652.D Premium Low Water Peak Standard SM Fiber	1310/1383/1550 nm	0.35/0.35/0.25 dB/km
<b>ZB</b>	Corning SMF-28e+™ G.652.D Standard SM Fiber	1310/1383/1550 nm	0.35/0.35/0.25 dB/km
<b>RB</b>	ClearCurve® XB G.657.A1 Bend-Optimized SM fiber (also complies with G.652.D)	1310/1383/1550 nm	0.35/0.35/0.25 dB/km
<b>RL</b>	ClearCurve® LBL G.657.A2/B2 Low Bend Loss SM fiber (also complies with G.652.D)	1310/1383/1550 nm	0.35/0.35/0.25 dB/km
<b>RK</b>	ClearCurve® ZBL G.657.B3 Ultra-Low Bend Loss SM fiber (also complies with G.652.D)	1310/1383/1550 nm	0.35/0.35/0.25 dB/km
<b>EA</b>	Corning LEAF™ G.655-Compliant (NZDS) Fiber	1550 nm	0.25 dB/km

#### Single-Mode Fiber in Premises Cables

<b>1</b> <b>2</b>	FiberType	Test Wavelengths	Max. Attenuation
<b>SE</b>	G.652 Single-Mode Fiber	1310/1550 nm	0.70/0.70 dB/km
<b>HE</b>	G.652.D Premium Low Water Peak Standard SM Fiber	1310/1383/1550 nm	0.70/0.70/0.70 dB/km
<b>ZE</b>	Corning SMF-28e+™ G.652.D Standard SM Fiber	1310/1383/1550 nm	0.70/0.70/0.70 dB/km
<b>RH</b>	ClearCurve® XB G.657.A1 Bend-Optimized SM fiber (also complies with G.652.D)	1310/1383/1550 nm	0.50/0.50/0.50 dB/km
<b>RL</b>	ClearCurve® LBL G.657.A2/B2 Low Bend Loss SM fiber (also complies with G.652.D)	1310/1383/1550 nm	0.50/0.50/0.50 dB/km
<b>RK</b>	ClearCurve® ZBL G.657.B3 Ultra-Low Bend Loss SM fiber (also complies with G.652.D)	1310/1383/1550 nm	0.50/0.50/0.50 dB/km

#### Multimode Fiber (all cable types)

<b>1</b> <b>2</b>	FiberType	Test Wavelengths	Max. Attenuation	MM Bandwidth (MHz*km)	Maximum Link Length (850/1300 nm)
<b>LN</b>	62.5 mm MMF	850/1300 nm	3.0/1.0 dB/km	200/500	300/600 @ 1GbE
<b>MN</b>	50 mm MMF	850/1300 nm	3.0/1.0 dB/km	500/500	500/1000 @ 1GbE
<b>LC</b>	Corning InfiniCor™ 300 -- 62.5 mm MMF (OM1)	850/1300 nm	3.0/1.0 dB/km	200 (220 RML)/500	300/600 @ 1GbE
<b>LD</b>	Corning InfiniCor™ CL1000 -- 62.5 mm MMF - Enhanced (OM1)	850/1300 nm	3.0/1.0 dB/km	385 (RML)/500	500/1000 @ 1GbE
<b>MC*</b>	Corning InfiniCor™ 600 -- 50 mm MMF (OM2)	850/1300 nm	3.0/1.0 dB/km	500/500	600/600 @ 1GbE
<b>MD</b>	Corning ClearCurve® OM2 50 mm MMF	850/1300 nm	3.0/1.0 dB/km	700*/500	150 @ 10GbE (850nm), 750/600 @ 1GbE
<b>TC</b>	Corning ClearCurve® OM3 50 mm MMF	850/1300 nm	3.0/1.0 dB/km	2000*/500	300 @ 10GbE, 1000 @ 1 GbE (850nm only)
<b>TE</b>	Corning ClearCurve® OM4 50 mm MMF	850/1300 nm	3.0/1.0 dB/km	4700*/500	550 @ 10GbE, 1200 @ 1 GbE (850nm only)

\*Type MC fiber has been replaced by type MD, which has superior performance. However, the MC code continues to be listed for the convenience of customers who wish to retain their old Part Numbers.

Please note that other fiber types and attenuation cells are available upon request. If you have questions, or if you cannot find the fiber you require, please contact Prysmian.

#### To place an order, contact us in one of the following ways:

700 Industrial Drive, Lexington SC 29072 - (800) 669-0808 (Inside Sales) - Fax (800) 951-5040 - [comm.cables@prysmian.com](mailto:comm.cables@prysmian.com)