

## Opti-Core<sup>®</sup> Fiber Optic Reference Cable Assemblies

- Pass all TIA/EIA-568-B.3 performance requirements
- 100% factory inspected endface geometry in compliance with Telcordia GR-326-CORE, Issue 3
- Insertion loss per connection: 0.10dB maximum (multimode and singlemode)
- Return loss: 40dB minimum, PC polished (multimode); 58dB minimum, UPC polished (singlemode)
- Standard grade to reference grade riser (OFNR) rated cable assemblies are available in 2 meter lengths in multimode (10Gig™ OM3 50µm and OM1 62.5µm) and singlemode (OS1/OS2 9µm) fiber types for link testing and diagnostic troubleshooting flexibility
- Factory terminated and 100% tested for insertion loss and return loss; data recorded and supplied with each reference cable assembly
- Provide superior measurement capability to maximize link reliability
- Controlled ferrule endface geometry is documented and supplied, assuring repeatable high performance physical contact of fiber connectors under test
- Hybrid reference cords are available for use in testing permanent links with connectors that differ from test set connectors
- Reference quality connectors on both ends of cable assembly allow both ends to be used to mate to the permanent link for loss measurements
- Opti-Core<sup>®</sup> Fiber Optic Reference Cable Assembly Kits are also available for in-field qualification of reference cord for test use

**FR2XSS-R2M02**

Part Number	Part Description	Length (m)	Std. Pkg. Qty.	Std. Ctn. Qty.
<b>10Gig™ OM3 Multimode Duplex Reference Cable Assemblies</b>				
<b>FR2XSL-RLM02</b>	Duplex standard grade LC to reference grade LC reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
<b>FR2XSL-RSM02</b>	Duplex standard grade LC to reference grade SC reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
<b>FR2XSL-R2M02</b>	Duplex standard grade LC to reference grade ST reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
<b>FR2XSS-RSM02</b>	Duplex standard grade SC to reference grade SC reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
<b>FR2XSS-RLM02</b>	Duplex standard grade SC to reference grade LC reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
<b>FR2XSS-R2M02</b>	Duplex standard grade SC to reference grade ST reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
<b>FR2XS2-R2M02</b>	Duplex standard grade ST to reference grade ST reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
<b>FR2XS2-RLM02</b>	Duplex standard grade ST to reference grade LC reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
<b>FR2XS2-RSM02</b>	Duplex standard grade ST to reference grade SC reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10

**Opti-Core<sup>®</sup> Fiber Optic Reference Cable Assemblies (continued)**

Part Number	Part Description	Length (m)	Std. Pkg. Qty.	Std. Ctn. Qty.
<b>10Gig™ OM3 Multimode Simplex Reference Cable Assemblies</b>				
FR1XS1-R1M02	Simplex standard grade LC to reference grade LC reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
FR1XS1-R3M02	Simplex standard grade LC to reference grade SC reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
FR1XS1-R2M02	Simplex standard grade LC to reference grade ST reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
FR1XS3-R3M02	Simplex standard grade SC to reference grade SC reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
FR1XS3-R1M02	Simplex standard grade SC to reference grade LC reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
FR1XS3-R2M02	Simplex standard grade SC to reference grade ST reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
FR1XS2-R2M02	Simplex standard grade ST to reference grade ST reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
FR1XS2-R1M02	Simplex standard grade ST to reference grade LC reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
FR1XS2-R3M02	Simplex standard grade ST to reference grade SC reference cable assembly, riser rated 2mm jacketed cable – 10Gig™ 50/125µm.	2	1	10
<b>OM1 Multimode Duplex Reference Cable Assemblies</b>				
FR26SL-RLM02	Duplex standard grade LC to reference grade LC multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
FR26SL-RSM02	Duplex standard grade LC to reference grade SC multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
FR26SL-R2M02	Duplex standard grade LC to reference grade ST multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
FR26SS-RSM02	Duplex standard grade SC to reference grade SC multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
FR26SS-RLM02	Duplex standard grade SC to reference grade LC multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
FR26SS-R2M02	Duplex standard grade SC to reference grade ST multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
FR26S2-R2M02	Duplex standard grade ST to reference grade ST multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
FR26S2-RLM02	Duplex standard grade ST to reference grade LC multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
FR26S2-RSM02	Duplex standard grade ST to reference grade SC multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10

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**Opti-Core<sup>®</sup> Fiber Optic Reference Cable Assemblies (continued)**

Part Number	Part Description	Length (m)	Std. Pkg. Qty.	Std. Ctn. Qty.
<b>OM1 Multimode Simplex Reference Cable Assemblies</b>				
<b>FR16S1-R1M02</b>	Simplex standard grade LC to reference grade LC multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
<b>FR16S1-R3M02</b>	Simplex standard grade LC to reference grade SC multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
<b>FR16S1-R2M02</b>	Simplex standard grade LC to reference grade ST multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
<b>FR16S3-R3M02</b>	Simplex standard grade SC to reference grade SC multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
<b>FR16S3-R1M02</b>	Simplex standard grade SC to reference grade LC multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
<b>FR16S3-R2M02</b>	Simplex standard grade SC to reference grade ST multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
<b>FR16S2-R2M02</b>	Simplex standard grade ST to reference grade ST multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
<b>FR16S2-R1M02</b>	Simplex standard grade ST to reference grade LC multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
<b>FR16S2-R3M02</b>	Simplex standard grade ST to reference grade SC multimode reference cable assembly, riser rated 2mm jacketed cable – 62.5/125µm.	2	1	10
<b>OS1/OS2 Singlemode Duplex Reference Cable Assemblies</b>				
<b>FR29SL-RLM02</b>	Duplex standard grade LC to reference grade LC singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
<b>FR29SL-RSM02</b>	Duplex standard grade LC to reference grade SC singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
<b>FR29SL-R2M02</b>	Duplex standard grade LC to reference grade ST singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
<b>FR29SS-RSM02</b>	Duplex standard grade SC to reference grade SC singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
<b>FR29SS-RLM02</b>	Duplex standard grade SC to reference grade LC singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
<b>FR29SS-R2M02</b>	Duplex standard grade SC to reference grade ST singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
<b>FR29S2-R2M02</b>	Duplex standard grade ST to reference grade ST singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
<b>FR29S2-RLM02</b>	Duplex standard grade ST to reference grade LC singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
<b>FR29S2-RSM02</b>	Duplex standard grade ST to reference grade SC singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10

**Opti-Core<sup>®</sup> Fiber Optic Reference Cable Assemblies (continued)**

Part Number	Part Description	Length (m)	Std. Pkg. Qty.	Std. Ctn. Qty.
<b>OS1/OS2 Singlemode Simplex Reference Cable Assemblies</b>				
FR19S1-R1M02	Simplex standard grade LC to reference grade LC singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
FR19S1-R3M02	Simplex standard grade LC to reference grade SC singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
FR19S1-R2M02	Simplex standard grade LC to reference grade ST singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
FR19S3-R3M02	Simplex standard grade SC to reference grade SC singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
FR19S3-R1M02	Simplex standard grade SC to reference grade LC singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
FR19S3-R2M02	Simplex standard grade SC to reference grade ST singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
FR19S2-R2M02	Simplex standard grade ST to reference grade ST singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
FR19S2-R1M02	Simplex standard grade ST to reference grade LC singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10
FR19S2-R3M02	Simplex standard grade ST to reference grade SC singlemode reference cable assembly, riser rated 2mm jacketed cable – 9/125µm.	2	1	10

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