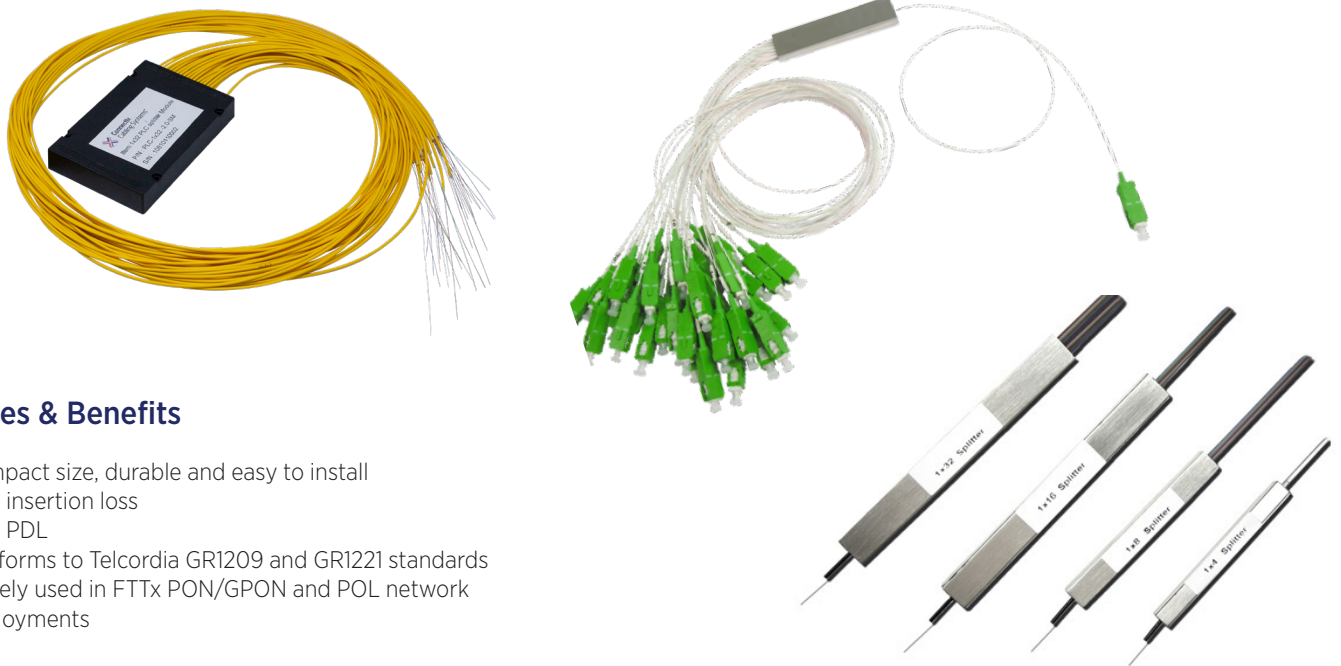


Connectix Cabling Systems™

PLC Optical Splitters

Optical splitters play an important role in Fibre-to-the-Home (FTTH) networks by allowing a single PON interface to be shared among many subscribers. The range of Connectix Planar Lightwave Circuit (PLC) splitters are small, durable and offer wavelength operations for channel-to-channel links found between Optical Line Terminals (OLT) and Optical Network Terminals (ONT) implementing PON, GPON, EPON, 10G EPON and 10G GPON technologies. Options include compact steel tube with tails for splicing, module formats for loading into distribution enclosures and patch panels or pre-connectorised for rapid fibre deployment.



Features & Benefits

- Compact size, durable and easy to install
- Low insertion loss
- Low PDL
- Conforms to Telcordia GR1209 and GR1221 standards
- Widely used in FTTx PON/GPON and POL network deployments

Product Specifications - 1xN PLC Splitter							
Parameters	1x2	1x4	1x8	1x16	1x32	1x64	1x128
Operating Wavelength (nm)	1260 - 1650						
Fibre Type	G657A or customer specified						
Insertion Loss (dB)	3.8	7.1	10.2	13.5	16.8	20.1	23.4
Loss Uniformity (dB)	0.4	0.6	0.8	1.2	1.5	2	2.5
Return Loss(dB)	55	55	55	55	55	55	55
Polarization Dependant (dB)	0.2	0.2	0.2	0.3	0.3	0.35	0.35
Directivity (dB)	55	55	55	55	55	55	55
Temperature Stability (-40 - 85°C)(dB)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature (°C)	-40 to 85						
Storage Temperature (°C)	-40 to 85						
Device Dimension (mm) (L×W×H)	40 x 4 x 4	40 x 4 x 4	40 x 4 x 4	50 x 4 x 4 / 45 x 5 x 4	50 x 7 x 4	60 x 12 x 4	NA
Module Dimension (mm) (L×W×H)	100 x 80 x 10	100 x 80 x 10	100 x 80 x 10	120 x 80 x 18 / 100 x 80 x 10	140 x 115 x 18 / 120 x 80 x 18 / 100 x 80 x 10	140 x 115 x 18 / 120 x 80 x 18	140 x 115 x 18
Mini-Module Dimension(mm) (L×W×H)	60 x 7 x 4	60 x 7 x 4	60 x 7 x 4	60 x 12 x 4	80 x 20 x 6	100 x 40 x 6	NA
LGX Box Dimension(mm) ((L×W×H)	NA	130 x 100 x 25	130 x 100 x 25	130 x 100 x 50	130 x 100 x 102	130 x 100 x 206	NA

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PLC Optical Splitters

Product Specifications - 2xN PLC Splitter							
Parameters	2x2	2x4	2x8	2x16	2x32	2x64	2x128
Operating Wavelength (nm)	1260 - 1650						
Fibre Type	G657A or customer specified						
Insertion Loss (dB)	4.0	7.3	10.5	13.8	17.0	20.5	24.2
Loss Uniformity (dB)	1.0	1.5	1.5	2.0	2.0	2.5	2.5
Return Loss(dB)	55	55	55	55	55	55	55
Polarization Dependant (dB)	0.3	0.3	0.3	0.3	0.3	0.5	NA
Directivity (dB)	55	55	55	55	55	55	55
Temperature Stability (-40 - 85°C)(dB)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature (°C)	-40 to 85						
Storage Temperature (°C)	-40 to 85						
Device Dimension (mm) (L×W×H)	40 x 4 x 4	50 x 4 x 4	50 x 4 x 4	50 x 4 x 4	60 x 7 x 4	60 x 12 x 4	NA
Module Dimension (mm) (L×W×H)	100 x 80 x 10	100 x 80 x 10	100 x 80 x 10	120 x 80 x 18 / 100 x 80 x 10	140 x 115 x 18 / 120 x 80 x 18 / 100 x 80 x 10	140 x 115 x 18 / 120 x 80 x 18	140 x 115 x 18
Mini-Module Dimension(mm) (L×W×H)	60 x 7 x 4	60 x 7 x 4	60 x 7 x 4	60 x 12 x 4 / 70 x 12 x 4	80 x 20 x 6	100 x 40 x 6	NA
LGX Box Dimension(mm) ((L×W×H)	NA	130 x 100 x 25	130 x 100 x 25	130 x 100 x 50	130 x 100 x 102	130 x 100 x 206	NA

Ordering Information	
Product Description	Part Number
Connectix 1:4 PLC splitter, G657A1, 1m 900um tails, Mini Steel Tube	009-200-011-04
Connectix 1:8 PLC splitter, G657A1, 1m 900um tails, Mini Steel Tube	009-200-011-08
Connectix 1:16 PLC splitter, G657A1, 1m 900um tails, Mini Steel Tube	009-200-011-16
Connectix 1:32 PLC splitter, G657A1, 1m 900um tails, Mini Steel Tube	009-200-011-32
Connectix 1:64 PLC splitter, G657A1, 1m 900um tails, Mini Steel Tube	009-200-011-64
Connectix 2:4 PLC splitter, G657A1, 1m 900um tails, Mini Steel Tube	009-200-012-04
Connectix 2:8 PLC splitter, G657A1, 1m 900um tails, Mini Steel Tube	009-200-012-08
Connectix 2:16 PLC splitter, G657A1, 1m 900um tails, Mini Steel Tube	009-200-012-16

Ordering Information	
Product Description	Part Number
Connectix 2:32 PLC splitter, G657A1, 1m 900um tails, Mini Steel Tube	009-200-012-32
Connectix 2:64 PLC splitter, G657A1, 1m 900um tails, Mini Steel Tube	009-200-012-64
Connectix 1:2 PLC splitter, G657A1, pre-connectorised SC/APC, Mini Steel Tube	009-200-010-02
Connectix 1:4 PLC splitter, G657A1, pre-connectorised SC/APC, Mini Steel Tube	009-200-010-04
Connectix 1:8 PLC splitter, G657A1, pre-connectorised SC/APC, Mini Steel Tube	009-200-010-08
Connectix 1:16 PLC splitter, G657A1, pre-connectorised SC/APC, Mini Steel Tube	009-200-010-16
Connectix 1:32 PLC splitter, G657A1, pre-connectorised SC/APC, Mini Steel Tube	009-200-010-32
Connectix 1:64 PLC splitter, G657A1, pre-connectorised SC/APC, Mini Steel Tube	009-200-010-64

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PLC Optical Splitters

Ordering Information	
Product Description	Part Number
Connectix 1:2 PLC splitter, G657A1, pre-connectorised LC/APC, Mini Steel Tube	009-200-000-02
Connectix 1:4 PLC splitter, G657A1, pre-connectorised LC/APC, Mini Steel Tube	009-200-000-04
Connectix 1:8 PLC splitter, G657A1, pre-connectorised LC/APC, Mini Steel Tube	009-200-000-08
Connectix 1:16 PLC splitter, G657A1, pre-connectorised LC/APC, Mini Steel Tube	009-200-000-16
Connectix 1:32 PLC splitter, G657A1, pre-connectorised LC/APC, Mini Steel Tube	009-200-000-32
Connectix 1:64 PLC splitter, G657A1, pre-connectorised LC/APC, Mini Steel Tube	009-200-000-64
Connectix 2:2 PLC splitter, G657A1, pre-connectorised SC/APC, Mini Steel Tube	009-200-010-02
Connectix 2:4 PLC splitter, G657A1, pre-connectorised SC/APC, Mini Steel Tube	009-200-010-04
Connectix 2:6 PLC splitter, G657A1, pre-connectorised SC/APC, Mini Steel Tube	009-200-010-06
Connectix 2:8 PLC splitter, G657A1, pre-connectorised SC/APC, Mini Steel Tube	009-200-010-08
Connectix 2:16 PLC splitter, G657A1, pre-connectorised SC/APC, Mini Steel Tube	009-200-010-16
Connectix 2:32 PLC splitter, G657A1, pre-connectorised SC/APC, Mini Steel Tube	009-200-010-32
Connectix 2:64 PLC splitter, G657A1, pre-connectorised SC/APC, Mini Steel Tube	009-200-010-64
Connectix 2:2 PLC splitter, G657A1, pre-connectorised LC/APC, Mini Steel Tube	009-199-000-02
Connectix 2:4 PLC splitter, G657A1, pre-connectorised LC/APC, Mini Steel Tube	009-199-000-04
Connectix 2:6 PLC splitter, G657A1, pre-connectorised LC/APC, Mini Steel Tube	009-199-000-06
Connectix 2:8 PLC splitter, G657A1, pre-connectorised LC/APC, Mini Steel Tube	009-199-000-08
Connectix 2:16 PLC splitter, G657A1, pre-connectorised LC/APC, Mini Steel Tube	009-199-000-16
Connectix 2:32 PLC splitter, G657A1, pre-connectorised LC/APC, Mini Steel Tube	009-199-000-16
Connectix 2:64 PLC splitter, G657A1, pre-connectorised LC/APC, Mini Steel Tube	009-199-000-16

Ordering Information	
Product Description	Part Number
Connectix 1:4 PLC splitter module, G657A1 1m tails	005-739-000-04
Connectix 1:8 PLC splitter module, G657A1 1m tails	005-739-000-08
Connectix 1:16 PLC splitter module, G657A1 1m tails	005-739-000-16
Connectix 1:32 PLC splitter module, G657A1 1m tails	005-739-000-32
Connectix 1:64 PLC splitter module, G657A1 1m tails	005-739-000-64
Connectix 2:4 PLC splitter module, G657A1 1m tails	009-200-031-04
Connectix 2:8 PLC splitter module, G657A1 1m tails	009-200-031-08
Connectix 2:16 PLC splitter module, G657A1 1m tails	009-200-031-16,
Connectix 2:32 PLC splitter module, G657A1 1m tails	009-200-031-32
Connectix 2:64 PLC splitter module, G657A1 1m tails	009-200-031-64
Connectix 1:4 PLC splitter module, G657A1 pre-connectorised SC/APC	005-742-000-04
Connectix 1:8 PLC splitter module, G657A1 pre-connectorised SC/APC	005-742-000-08
Connectix 1:16 PLC splitter module, G657A1 pre-connectorised SC/APC	005-742-000-16
Connectix 1:32 PLC splitter module, G657A1 pre-connectorised SC/APC	005-742-000-32
Connectix 1:64 PLC splitter module, G657A1 pre-connectorised SC/APC	005-742-000-64

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PLC Optical Splitters

Ordering Information	
Product Description	Part Number
Connectix 2:4 PLC splitter module, G657A1 pre-connectorised SC/APC	005-743-000-04
Connectix 2:8 PLC splitter module, G657A1 pre-connectorised SC/APC	005-743-000-08
Connectix 2:16 PLC splitter module, G657A1 pre-connectorised SC/APC	005-743-000-16
Connectix 2:32 PLC splitter module, G657A1 pre-connectorised SC/APC	005-743-000-32
Connectix 2:64 PLC splitter module, G657A1 pre-connectorised SC/APC	005-743-000-64
Connectix 1:4 PLC splitter module, G657A1 pre-connectorised LC/APC	005-744-000-04
Connectix 1:8 PLC splitter module, G657A1 pre-connectorised LC/APC	005-744-000-08
Connectix 1:16 PLC splitter module, G657A1 pre-connectorised LC/APC	005-744-000-16
Connectix 1:32 PLC splitter module, G657A1 pre-connectorised LC/APC	005-744-000-32
Connectix 1:64 PLC splitter module, G657A1 pre-connectorised LC/APC	005-744-000-64
Connectix 2:4 PLC splitter module, G657A1 pre-connectorised LC/APC	005-745-000-04
Connectix 2:8 PLC splitter module, G657A1 pre-connectorised LC/APC	005-745-000-08
Connectix 2:16 PLC splitter module, G657A1 pre-connectorised LC/APC	005-745-000-16
Connectix 2:32 PLC splitter module, G657A1 pre-connectorised LC/APC	005-745-000-32
Connectix 2:64 PLC splitter module, G657A1 pre-connectorised LC/APC	005-745-000-64