



PLC Splitters 1xN, 2xN

Telecommunication PLC Splitters for Wavelengths 1260 – 1650 nm



Features

- Wavelength independent optical parameters
- Uniformity of output channels incl. high splitting ratios
- Functionality within wide temperature range
- Housing, optical fibers, connectors according to customers request
- Harsh environment housing available

SQS Fiber Optic PLC splitters are characterized as uniform broadband power splitters featuring exceptional uniformity of insertion loss throughout all channels resulting in fact in practical wavelength independency over all transmission range from 1260 to 1650 nm. Total value of insertion loss itself typically exceeds theoretical values 0.5 dB (for 1x2 splitter) to 2.5 dB (for 1x128 splitter).

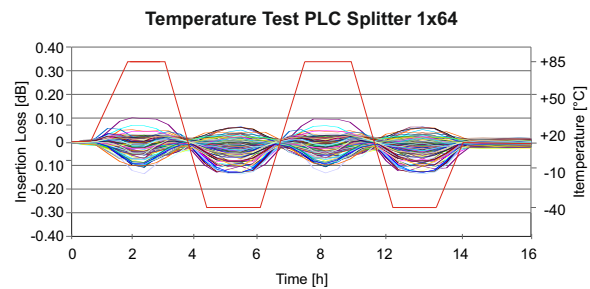
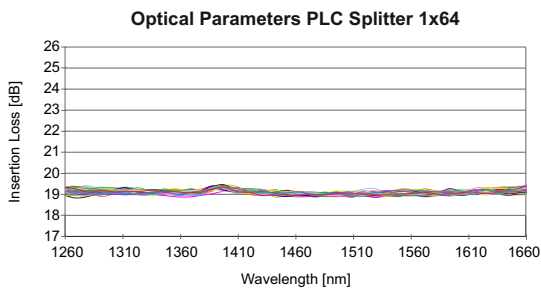
Specification Splitters 1xN

Harsh environment versions available

PLC Splitters 1xN	Insertion Loss max: dB	Insertion Loss typ: dB	Uniformity max: dB	Polarization Dependent Loss: dB	Return Loss: dB	Directivity: dB	Wavelength range: nm	Fiber type	Operating and storage temperature °C	Pigtail style 250 µm mm	Pigtail style 900 µm mm	Pigtail style 2 mm mm
PLC Splitters 1x2	3.9	3.5	0.5	≤ 0.15	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	4x4x44 / 5.6x10x69	4x4x44 / 5.6x10x69 / Splice tray	7.5x12x90 / Splice tray
PLC Splitters 1x3	6.2	5.8	0.6	≤ 0.15	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	4x4x44 / 5.6x10x69	4x4x44 / 5.6x10x69 / Splice tray	7.5x12x90 / Splice tray
PLC Splitters 1x4	7.4	6.9	0.6	≤ 0.15	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	4x4x44 / 5.6x10x69	4x4x44 / 5.6x10x69 / Splice tray	7.5x12x90 / Splice tray
PLC Splitters 1x6	9.3	9	0.8	≤ 0.15	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	4x4x44 / 5.6x10x69	5.6x10x69 / Splice tray	7.5x12x90 / Splice tray
PLC Splitters 1x8	10.8	9.8	1	≤ 0.15	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	4x4x44 / 5.6x10x69	5.6x10x69 / Splice tray	7.5x12x90 / Splice tray
PLC Splitters 1x12	13	12.6	1.2	≤ 0.15	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	4x4x44 / 5.6x10x69	6x20x69 / Splice tray	Splice tray
PLC Splitters 1x16	14.1	13.5	1.3	≤ 0.15	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	4x4x44 / 5.6x10x69	6x20x69 / Splice tray	1U x LGX Box
PLC Splitters 1x24	16.5	15.9	1.5	≤ 0.15	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	5.6x10x69	6x20x69 / Splice tray	1U x LGX Box
PLC Splitters 1x32	17.3	16.5	1.6	≤ 0.15	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	5.6x10x69	6x20x69 / Splice tray	1U x LGX Box
PLC Splitters 1x64	21	20	2	≤ 0.2	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	6x15x50	Splice tray	Splice tray
PLC Splitters 1x128	25.3	23.5	2.8	≤ 0.2	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	7x18x69	Splice tray	Splice tray

Specification Splitters 2xN

PLC Splitters 2xN	Insertion Loss max: dB	Insertion Loss typ: dB	Uniformity max: dB	Polarization Dependent Loss: dB	Return Loss: dB	Directivity: dB	Wavelength range: nm	Fiber type	Operating and storage temperature °C	Pigtail style 250 µm mm	Pigtail style 900 µm mm	Pigtail style 2 mm mm
PLC Splitters 2x2	4.5	4	1.2	≤ 0.2	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	4x4x44 / 5.6x10x69	4x4x44 / 5.6x10x69 / Splice tray	Splice tray
PLC Splitters 2x4	8	7.5	1.3	≤ 0.2	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	4x4x44 / 5.6x10x69	4x4x44 / 5.6x10x69 / Splice tray	Splice tray
PLC Splitters 2x8	11	10.5	1.5	≤ 0.2	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	4x4x44 / 5.6x10x69	5.6x10x69 / Splice tray	Splice tray
PLC Splitters 2x16	14.5	13.8	2	≤ 0.3	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	5.6x10x69	Splice tray	Splice tray
PLC Splitters 2x32	17.5	17	2	≤ 0.3	≥ 55	≥ 55	1260–1650	SM(G.652.D/G.657.A)	-40 to +85	5.6x10x69	Splice tray	1UxLGX box



PON (Passive Optical Network)

OLT - Optical Line Termination

VIDEO DATA VOICE

