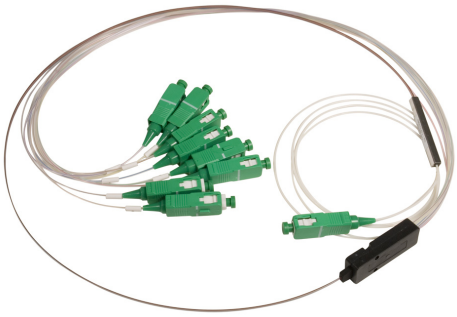
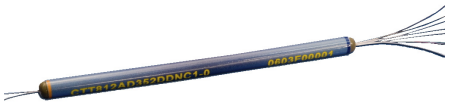
PLC Splitters

Prysmian Part Numbers: *See below*





PLC splitters are used to provide a compact and reliable method to split the optical signal. Splitters are available with up to 64 outputs and are an ideal solution for passive optical networks. They have excellent uniformity and low PDL and can be supplied in a range of packaging options. They can also be supplied with the input and output legs terminated in all standard connector types. The splitters can also be pre-installed by Prysmian into a number of Connectivity products. For further information please contact Prysmian.

Features and Benefits

- Full traceability and test certification supplied with each assembly.
- Splitters with up to 64 output ports can be supplied.
- Designed to meet Telcordia GR1209 and GR1221 standards.
- Can be supplied with many different connector types such as FC, SC, ST, E2000, LC and others on request.
- Advanced planar technology.
- Low loss and PDL.
- Can be pre-installed into Connectivity products such as joints, distribution cabinets and wall boxes.

Applications

- FTTX
- PON
- DWDM and CWDM systems
- CATV
- Instrumentation Sensors

Part Numbers

SPLITTER TYPE	CONNECTOR TYPE				
	NO CONNECTORS	SC/UPC INPUT & OUTPUT	SC/APC INPUT AND OUTPUT	LC/UPC INPUT AND OUTPUT	LC/APC INPUT AND OUTPUT
1x2 FB Splitter	XSPSG00001	XSPSG00016	XSPSG00006	XSPSG00021	XSPSG00026
1x4 PLC Splitter	XSPSG00002	XSPSG00017	XSPSG00007	XSPSG00022	XSPSG00027
1x8 PLC Splitters	XSPSG00003	XSPSG00018	XSPSG00008	XSPSG00023	XSPSG00028
1x16 PLC Splitters	XSPSG00004	XSPSG00019	XSPSG00009	XSPSG00024	XSPSG00029
1x32 PLC Splitter	XSPSG00005	XSPSG00020	XSPSG00010	XSPSG00025	XSPSG00030
1x64 PLC Splitter	XSPSG00044	XSPSG00049	XSPSG00054	XSPSG00059	XSPSG00064
2x4 PLC Splitter	XSPSG00045	XSPSG00050	XSPSG00055	XSPSG00060	XSPSG00065
2x8 PLC Splitter	XSPSG00046	XSPSG00051	XSPSG00056	XSPSG00061	XSPSG00066
2x16 PLC Splitter	XSPSG00047	XSPSG00052	XSPSG00057	XSPSG00062	XSPSG00067
2x32 PLC Splitter	XSPSG00048	XSPSG00053	XSPSG00058	XSPSG00063	XSPSG00068

Please contact Prysmian for additional connector types.

Technical Data – Un-connectorised Splitters

Parameter	Unit	Specification									
		1 x 2	1 x 4	1 x 8	1 x 16	1 x 32	1 x 64	2 x 4	2 x 8	2 x 16	2 x 32
Insertion Loss	dB	≤ 3.4	≤ 7.3	≤ 10.5	≤ 13.5	≤ 16.7	≤ 20.4	≤ 7.6	≤ 11.2	≤ 14.5	≤ 17.5
Uniformity of I.L	dB	≤ 0.6	≤ 1.0	≤ 1.0	≤ 1.2	≤ 1.5	≤ 1.8	≤ 1.2	≤ 1.5	≤ 2.0	≤ 2.5
PDL	dB	≤ 0.20	≤ 0.25	≤ 0.25	≤ 0.30	≤ 0.40	≤ 0.40	≤ 0.20	≤ 0.30	≤ 0.40	≤ 0.40
RL and Direc.	dB	≥ 55									
Operating Temperature	°C	-40 to +85									
Wavelength Range	Nm	1260 to 1600									
Maximum Input Power	mW	500									
Dimensions	mm	2.9 x 51 Ø	4 x 4 x 40	4 x 4 x 40	4 x 4 x 40	7 x 4 x 60	12 x 4 x 58	7 x 4 x 60	7 x 4 x 60	7 x 4 x 60	7 x 4 x 60
Fibre Length	m	Input = 2, Outputs = 2									

Technical Data – Pre-connectorised Splitters

Parameter	Unit	Specification									
		1 x 2	1 x 4	1 x 8	1 x 16	1 x 32	1 x 64	2 x 4	2 x 8	2 x 16	2 x 32
Insertion Loss	dB	≤ 3.9	≤ 7.8	≤ 11.0	≤ 14.1	≤ 17.2	≤ 21.0	≤ 8.1	≤ 11.7	≤ 15.0	≤ 18.0
Uniformity of I.L	dB	≤ 0.6	≤ 1.0	≤ 1.0	≤ 1.2	≤ 1.5	≤ 1.8	≤ 1.2	≤ 1.5	≤ 2.0	≤ 2.5
PDL	dB	≤ 0.20	≤ 0.25	≤ 0.25	≤ 0.30	≤ 0.40	≤ 0.40	≤ 0.20	≤ 0.30	≤ 0.40	≤ 0.40
RL and Direc.	dB	≥ 55									
Operating Temperature	°C	-40 to +85									
Wavelength Range	Nm	1260 to 1600									
Maximum Input Power	mW	500									
Dimensions	mm	2.9 x 51 Ø	4 x 4 x 40	4 x 4 x 40	4 x 4 x 40	7 x 4 x 60	12 x 4 x 58	7 x 4 x 60	7 x 4 x 60	7 x 4 x 60	7 x 4 x 60
Fibre Length	m	Input = 1.5, Outputs = 1.5									

Please contact your local sales office listed on **www.prysmiangroup.com**