

Compact PLC Splitter DCF120024

Prysmian Part Numbers: See below



The Compact PLC Splitters DCF120024 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 with SC/APC connectors. 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 from 1x4 to 1x64 can be supplied.
- Designed to meet FT/RD/RESA/05/12/276 technical specifications.
- Can be supplied with bare fibres or with SC/APC connectors terminated on the output legs only, or on both the input and output legs.
- Low loss and PDL.
- Fibre type is Draka BendBright-XS (ITU-T G.657.A2)
- Can be pre-installed into Connectivity products such as joints, distribution cabinets and wall boxes.

Part Numbers

DCF120024 SPLITTER TYPE	NO CONNECTORS	SC/APC INPUT & OUTPUT	SC/APC OUTPUT ONLY
1x4 PLC Splitters	XSPSC00344	XSPSC00359	XSPSC00364
1x8 PLC Splitters	XSPSC00345	XSPSC00360	XSPSC00365
1x16 PLC Splitters	XSPSC00346	XSPSC00361	XSPSC00366
1x32 PLC Splitter	XSPSC00347	XSPSC00362	XSPSC00367
1x64 PLC Splitter	XSPSC00348	XSPSC00363	XSPSC00368

Technical Data – No Connectors

TYPE 1xN		1x4	1x8	1x16	1x32	1x64
OPERATING WAVE LENGTH (nm)		1260 TO 1650				
INSERTION LOSS (dB)	Max*	7.4	10.7	13.7	16.9	21.2
PDL (dB)	Max	0.2	0.3	0.3	0.3	0.4
UNIFORMITY (dB)	Max	0.6	0.8	1.2	1.7	2.4
PMD (ps)	Max	0.1				
RETURN LOSS (dB)	Min	55				
DIRECTIVITY (dB)	Min	55				
OPERATING TEMPERATURE (°C)		-40 TO +85				
STORAGE TEMPERATURE (°C)		-40 TO +85				
DIMENSIONS (mm)	LxWxH	40x4x4			50x7x4	60x12x4
FIBRE TYPE		DRAKA BENDBRIGHT-XS (ITU-T G.657.A2)				
FIBRE LENGTH (m)		2.5 WITH 250µm FIBRE				

*INCLUDING PDL, WDL WITHOUT TDL

Technical Data – Bare Input, SC/APC Outputs

TYPE 1xN		1x4	1x8	1x16	1x32	1x64
OPERATING WAVE LENGTH (nm)		1260 TO 1650				
INSERTION LOSS (dB)	Max*	7.7	11.0	14.0	17.2	21.5
PDL (dB)	Max	0.2	0.3	0.3	0.3	0.4
UNIFORMITY (dB)	Max	0.8	1.2	1.5	2.0	2.7
PMD (ps)	Max	0.1				
RETURN LOSS (dB)	Min	55				
DIRECTIVITY (dB)	Min	55				
OPERATING TEMPERATURE (°C)		-40 TO +85				
STORAGE TEMPERATURE (°C)		-40 TO +85				
DIMENSIONS (mm)	LxWxH	60x7x4	60x12x4	80x20x6	100x20x10	
FIBRE TYPE		DRAKA BENDBRIGHT-XS (ITU-T G.657.A2)				
JUMPER LENGTH (mm) - L		INPUT PORTS 1500				
		OUTPUT PORTS UP TO 1x8 700 (-0 +100)				
		OUTPUT PORTS FROM 1x16 1000 (-0 +100)				
CONNECTOR TYPE		SC/APC OUTPUTS ONLY				

*INCLUDING PDL, WDL WITHOUT TDL (EXTRA 0.3dB PER CONNECTOR COMPARED TO BARE FIBRE SPLITTER PERFORMANCE)

Technical Data – SC/APC Inputs and Outputs

TYPE 1xN		1x4	1x8	1x16	1x32	1x64
OPERATING WAVE LENGTH (nm)		1260 TO 1650				
INSERTION LOSS (dB)	Max*	8.0	11.3	14.3	17.5	21.8
PDL (dB)	Max	0.2	0.3	0.3	0.3	0.4
UNIFORMITY (dB)	Max	0.8	1.2	1.5	2.0	2.7
PMD (ps)	Max	0.1				
RETURN LOSS (dB)	Min	55				
DIRECTIVITY (dB)	Min	55				
OPERATING TEMPERATURE (°C)		-40 TO +85				
STORAGE TEMPERATURE (°C)		-40 TO +85				
DIMENSIONS (mm)	LxWxH	60x7x4	60x12x4	80x20x6	100x20x10	
FIBRE TYPE		DRAKA BENDBRIGHT-XS (ITU-T G.657.A2)				
JUMPER LENGTH (mm) - L		INPUT PORTS 1500				
		OUTPUT PORTS UP TO 1x8 700 (-0 +100)				
		OUTPUT PORTS FROM 1x16 1000 (-0 +100)				
CONNECTOR TYPE		SC/APC FOR INPUT AND OUTPUTS				

*INCLUDING PDL, WDL WITHOUT TDL (EXTRA 0.3dB PER CONNECTOR COMPARED TO BARE FIBRE SPLITTER PERFORMANCE)

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