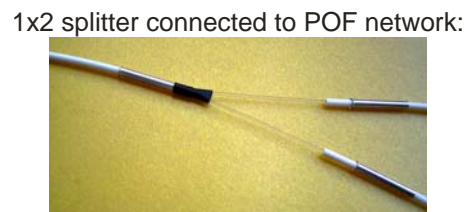
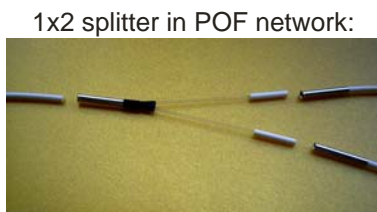
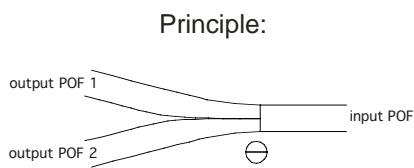


Standard 1x2 POF splitter for 1 mm polymer fiber

Description:

Assembled from two branches of partially polished standard POF (1mm POF, NA = 0.5) this standard optical 1x2 POF splitter component splits up the light of the input POF to two equal portions (50:50 symmetry) in the output branches.

The standard splitter comes with a metallic input ferrule for 2.2mm diameter POF cable (see figure below first line right). Two bare fiber output branches are connected via a 2.2mm cable jacket to the output cable ferrules (see figure below, second line).



Inside the splitter device there is no metallic crosstalk protection, like typically used in low cross talk splitters. As a result the cross talk attenuation is low (see technical data below). The splitter is well suitable for all applications that need POF signal splitting to 2 branches, e.g. for monitoring applications.

Due to the low cross talk attenuation this splitter is **not suitable for full duplex data transmission over one fiber core.**

Technical Data standard 1x2 symmetry splitter:

type	splitting ratio (%) typical	excess loss (dB)			cross talk (dB) typical
		min.	typ.	max.	
standard splitter	50 : 50 ($\pm 10\%$)	0.9	1.4	2.5	15

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