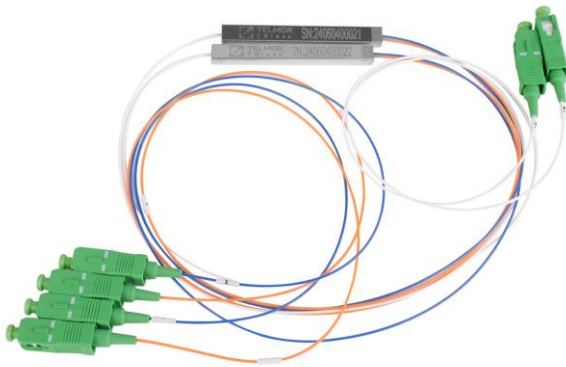


PLC Optical Splitter Steelbox

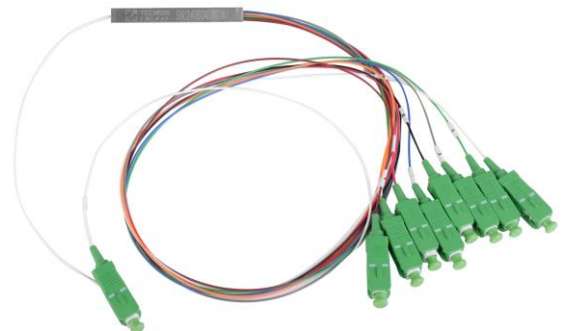


PLC 1x4 steelbox 0,9mm

The PLC (Planar Wave Circuit) optical splitters steelbox is designed for dividing optical power in a fiber optic network. Unlike FBT (Fused Biconical Taper) splitters, the planar technology used in PLC splitters allows for signal division up to 128 ways. This provides a compact form factor and high operational stability across a broad wavelength range from 1260 to 1620 nm. The use of G.657A2 fibers ensures a small bending radius.

Features:

- high-quality construction,
- low insertion loss,
- temperature stability,
- uniform splitting and consistent performance parameters.



PLC 1x8 steelbox 0,9mm

Applications:

- FTTx networks and subscriber connections,
- PON systems,
- CATV networks,
- LAN, WAN, MAN networks.



PLC 1x8 steelbox

TECHNICAL PARAMETERS

NAME/ PARAMETERS		1x2	1x4	1x8	1x16	1x32	1x64
Wavelength Range (nm)		1260 ~ 1650					
Insertion Loss (IL) (dB)	Typical	3.6	6.8	10	13.1	16.2	20
	Maximum	4.0	7.4	10.7	13.7	16.8	21.0
Uniformity (dB)	Typical	0.3	0.4	0.5	0.6	0.8	1.2
	Maximum	0.4	0.6	0.8	1.2	1.5	2.5
PDL (dB)	Typical	0.1	0.1	0.15	0.15	0.15	0.2
	Maximum	0.2	0.2	0.3	0.3	0.3	0.4
Return Loss (RL) (dB)	Minimum	60 (APC) 50 (UPC)					
Directivity (dB)	Minimum	55					
Fiber length	m	2 x 1 or 2 x 0.5 (SC/ APC)					
Fiber type		9/125 G657A2					
WDL (dB)	Typical	0.2	0.2	0.2	0.3	0.3	0.3
	Maximum	0.3	0.3	0.3	0.5	0.5	0.5
TDL (dB) (-40~85°C)	Typical	0.2	0.2	0.2	0.3	0.3	0.3
	Maximum	0.4	0.4	0.4	0.5	0.5	0.5
Operating Temperature	°C	-40~85					
Storage Temperature	°C	-40~85					
Dimensions	mm	60x7x4	60x12x4	80x20x6	100x40x6		

All optical splitters are supplied with a certificate of conformity including:

- splitting ratio, connector type, fiber type and length,
- measurement results for insertion loss (IL) and return loss (RL) expressed in decibels.

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The technical specifications are subject to change without prior notice.

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