

Type:	OSC – OTDR Starter Cube Launch Fiber	REV: 1.0
Date:	15.07.2016	AŁ
Approved:		BK
PN:	OSC-xx, see ordering information	

Connectivity Fiber

OSC – OTDR Starter Cube Launch Fiber



INTRODUCTION:

Fibrain OSC - OTDR Starter Cube - facilitate reflectometric tests with the use of OTDR (Optical Time Domain Reflectometer). The launch fiber eliminates dead zone in reflectometer and guarantees secure measurement. Fibrain OSC OTDR Starter Cube has several advantages that make measurements fast and easy to perform. The housing is equipped with a magnet – OSC can be easily mounted on a rack and with shoulder strap – OSC can be easy to transport or moving. Launch fiber is terminated with master class connectors, available in a wide range of connector types. Compact housing can store up to 1000 m of fiber, available in SM or MM type.

APPLICATION:

SM and MM network's measurement;
Simulation of loss, length, delayed time and system's reflectance;

FEATURES & BENEFITS:

Compact housing and small weight;
Connector polishing type colour code for clear identification;
Fiber colour code for easy identification;
Input and output fanout made of reinforced harsh tube with crush resistance 1000N;
Magnet mounting allows for mounting OSC to the rack;
Master class connector for accurate and reliable measurement;
Shoulder strap for easy measurement and transport;
Anti-vibes protection;

TECHNICAL SPECIFICATION:

Parameter	OSC
Dimensions (w)x(h)	107x86 mm
IL _{MAX} @ 1310 nm (SM fiber)	≤ 0.35 dB/km
IL _{MAX} @ 1550 nm (SM fiber)	≤ 0.22 dB/km
IL _{MAX} @ 850 nm (MM fiber)	≤ 2.50 dB/km
IL _{MAX} @ 1300 nm (MM fiber)	≤ 0.70 dB/km
SM Connector Insertion Loss (IEC 61300-3-4)	≤ 0.1 dB
MM Connector Insertion Loss (IEC 61300-3-4)	≤ 0.15 dB
Return Loss (IEC 61300-3-6)	RL ≥ 65 dB (APC); RL ≥ 55 dB (UPC); RL ≥ 35 dB (PC);
Operating temperature	-40 do +55°C
Length of input and output fiber	1.5 m

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STANDARD FIBERS LENGTHS

MM FIBERS	SM FIBERS
100 m	100 m
300 m	300 m
	500 m
	1000 m

ORDERING INFORMATION:

SERIES	FIBER TYPE	FANOUT	CONNECTOR TYPE		LENGTH [m]
			INPUT	OUTPUT	
OSC	A G.652D	1 - 1.8mm harsh	1 - E2	1 - E2	0100
	B SMF G655		2 - E2A	2 - E2A	
	D SMFG657A1		3 - FC	3 - FC	
	E SMF G657A2		4 - FCA	4 - FCA	
	H MMF OM1		5 - LC	5 - LC	
	I MMF OM2		6 - LCA	6 - LCA	
	K MMF OM3		7 - SC	7 - SC	
	L MMF OM4		8 - SCA	8 - SCA	
			9 - ST	9 - ST	

Example:

OSC-A-1-88-0500 Fibrain OSC launch fiber, G.652D fiber, 1.8 mm reinforced harsh tube , SC APC connectors, length 500m.

Important notice

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Term of Sale of the selling Fibrain subsidiary.