

Launch Reel – LS Type with splice cassette

TECHNICAL SPECIFICATION



GENERAL

The Launch Reels are mainly used for OTDR measures. They can sometimes be part of a network simulation system as Pulse suppressor or Delay controlled fiber. Inside the case, a splice cassette allows to connect the bare fiber launch reel to the input/output pigtails. It is therefore easy to substitute the pigtail if it is of damaged or if it is necessary to change connector type.

In case of broken fiber or broken connectors, the launch reel can be repaired at any time.

For the opening sequence of the aluminum plate, please refer to ATT-LS-ST-00.001 file.



MODELS AVAILABLE

- SM fiber G652D, G657A standard length 550 m, 1000 m, 2000 m
G655 standard length 550 m
Other lengths are available on request.
- MM fiber 62.5/125 OM1 - 50/125 OM2 - 50/125 OM3 - 50/125 OM4
Standard lengths: 150 m and 500 m
Other lengths are available on request.
- 1 or 2 bare fiber reels per case
(if there are 2 fiber reels each reel can have a max length of 1000 m).
- Termination with any type of simplex connector protected by dust cap with latch.
- Simplex connectors protected by dust cap with latch.
- 3 mm LSZH ruggedized Metal Armoured cable – length 2 m
Yellow for SM fibres G652D, G655, G657.A
Orange for MM 62.5/125 OM1 and 50/125 OM2
Aqua for 50/125 OM3 and 50/125 OM4
For reels of 2 or 3 different fibres: all 3 cables will have different colours.
Crush (IEC 60794-1-2-E3) = 3500 N/100mm

- Removable shoulder strap allows to work with both hands free and to transport the box easily.
- Three black clamps hold the fibres neatly on the aluminium plate inside the case, when working with the fibres, keep the three black clamps perpendicular to the plate, this will avoid crushing the fibres if the cover of the case closes accidentally.



- A warranty void label prevents any unauthorized opening of the 250 μ m fibers area. This area has to be opened to access the splice cassette, but please note that ONCE THE SEAL LABEL IS REMOVED WE MAY NO LONGER ACCEPT ANY WARRANTY CLAIMS.

OPTICAL CHARACTERISTICS

Fiber	IEC Norm
SM 9/125 OS2 according to ITU-T G652D	IEC 60793-2-50
SM 9/125 OS2 according to ITU-T G655	IEC 60793-2-50
SM 9/125 OS2 according to ITU-T G657A	IEC 60793-2-50
MM 50/125 OM2 according to ITU-T G651	IEC 60793-2
MM 50/125 OM3 according to ITU-T G651	IEC 60793-2
MM 50/125 OM4 according to ITU-T G651	IEC 60793-2
MM 62.5/125 OM1 according to ITU-T G651	IEC 60793-2

ENVIRONMENTAL SPECIFICATION

	min	max
Operating Temperature [°C]	- 40	+85
Storage Temperature [°C]	- 40	+85

PACKAGING

The Launch Reel has two identification labels:

External Label on the cover of the case

- Fiber type + fiber length + connectors
- Batch number

LAUNCH REEL
with Splice Cassette
G652D - 2000m - FC/APC LC/APC
Batch n°: 21301234

Internal Label to identify the fiber

- Fiber type + fiber length + connectors

G652D - 2000m - FC/APC LC/APC
- - - -
- - - -

The colour of the two labels is:

- Yellow case with SM fiber
- Orange case with MM fiber
- White case with SM and MM fibres

CASE SPECIFICATION

- Dimension 232 x 192 x H 111 mm
- Water tight and dust proof grade IP 67
- All metal parts are stainless steel and aluminum
- Weight without fibers 1,0 kg
- Crush proof grade IK10

TECHNICAL DRAWINGS

Case Overall Dimensions



Launch Reel Test Report					
WARRANTY VOID IF SEAL REMOVED					
Batch no.	Customer		Quantity		
J16/04680	WELCOME		1 of 1		
Date	Order no.				
	20/05/2016		103021		
Fiber 1	Code: LS1020P00P100S				
	Description: Launch Reel 9125 GR52 SC/PC - LC/PC 1000 m				
Fiber 2	Code: N.A.				
	Description: N.A.				
Fiber 3	Code: N.A.				
	Description: N.A.				
Fiber n°	IL [dB] - 1310 nm		Fiber n°	IL [dB] - 1550 nm	
	Side A	Side B		Side A	Side B
1	0.38	0.36	1	0.29	0.28
2	N.A.	N.A.	2	N.A.	N.A.
3	N.A.	N.A.	3	N.A.	N.A.
IL Grade according IEC 61753-1		MM PC Grade 4 > 28 dB SM PC Grade 3 > 35 dB			
		SPC Grade 2 > 45 dB UPC no grade > 50 dB APC Grade 1 > 60 dB			
Test Instruments: JDS Reflector Meter FC-2018 - 50104-60158 - wavelength 1310-1550 nm					
Operator: = 4					
File identification: J16/04680 - JK					
Notes: Connectors side A = connectors close to the cover of the box					

Example of Test Report



35 mm white heat-shrinkable tube on the cable close to the boot helps to identify the connector.

M A T E R I A L S

N°	Component	Material
1	Box	Ultra High Impact Copolymer Polypropylene
2	Cover O-Ring	Neoprene
3	Cover Foam	Polyurethane
4	Hinges Pins	Stainless Steel
5	Automatic pressure equalization valve	Purge Body ABS Purge Vent PET Purge O-Ring Nitrile
6	Removable Strap	Bend - Polypropylene and Nylon Hooks - Nickel Plated Zinc Alloy
7	Internal Plate	Aluminium
8	Screws	CR3 Zinc Plated Steel
9	Hole Caps	Nylon 6/6 UL94 V2 RMS-01
10	Rivets	Aluminium
11	Holding inserts and Latches	Nylon 6/6 UL94 V-2
12	Clamps	Soft Steel (RMS-243); Coating PVC (RMS-118)
13	Ruggedized tubes	LSZH jacket + Kevlar + hytrel buffer
14	Connectors	Please see the relative specification
15	Splicing Cassette with Splice Holder	ABS
16	Splice Protection Sleeve	cross-linked polyolefin, hot fusion tubing stainless steel

The materials of the Launch Reel are RoHS and REACH compliant.

E N D O F S P E C I F I C A T I O N