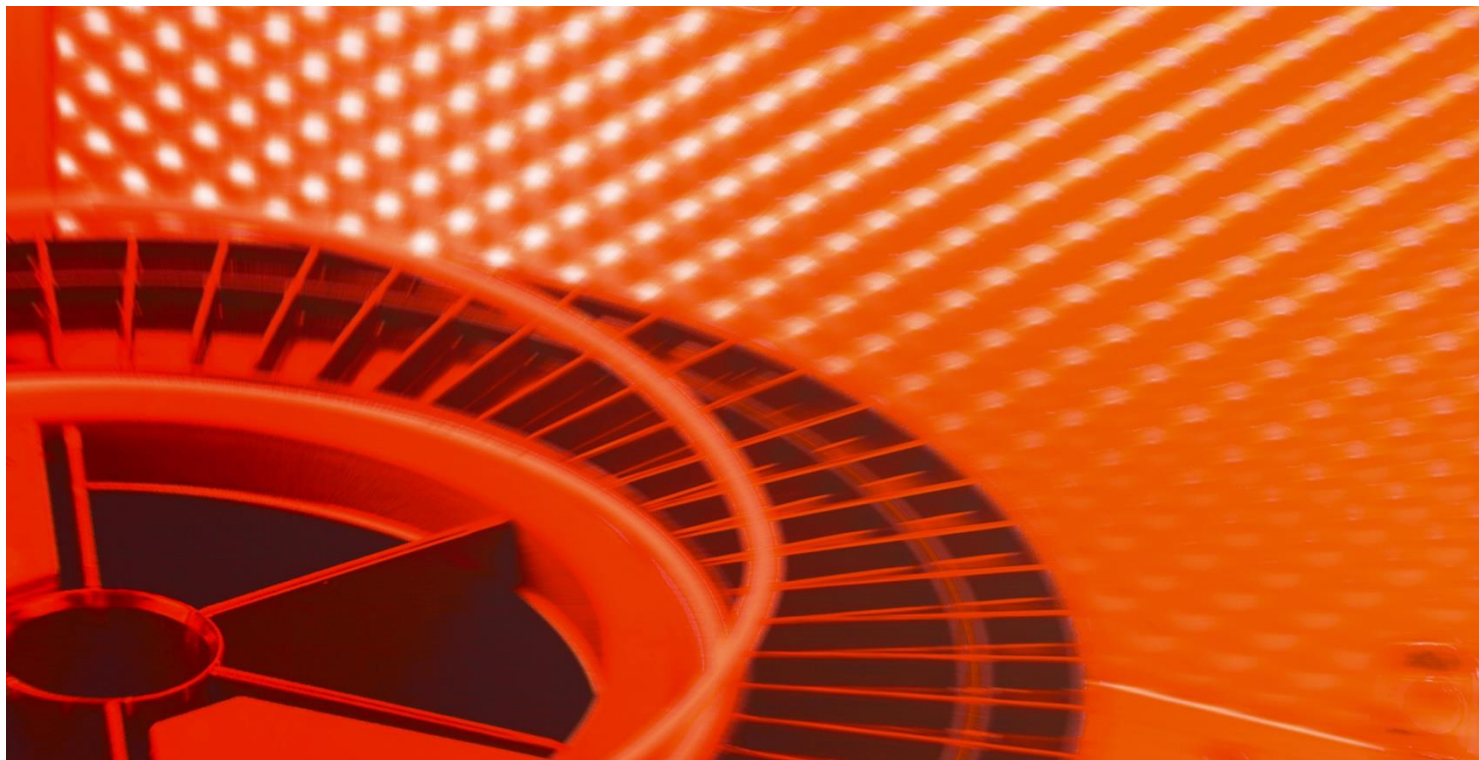


Launch Reel – LS Type



TECHNICAL SPECIFICATION



GENERAL

The Launch Reels are used for OTDR measures. They can sometimes be part of a network simulation system as Pulse suppressor or Delay controlled fiber.

Each case can contain up to three bare fiber reels; several types and lengths of fiber are always available on stock.

Factory quick replacement of the broken fiber ends and of the broken connectors.

Optional internal splice cassette is available on request: refer to Spec. N° LS-ST-00 005.

MODELS AVAILABLE

- SM fibres G652.D, G657.A standard length 550 m, 1000 m, 2000 m
G655 standard length 550 m
- MM fibres 62.5/125 OM1 - 50/125 OM2 - 50/125 OM3 - 50/125 OM4
standard length 150 m, 500 m
- Termination with any type of simplex connector and MTRJ connector.
- 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
- 35 mm of white heat-shrinkable tube on the cable close to the boot helps to identify the connector when plugged in the rack.
- Power meter certificate always inside the case. As alternative OTDR certificate available on request.
- Final quality control of 100% of the fibers is recorder at manufacturer laboratory.
- 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.
PLEASE TAKE CARE, IF THE SEAL LABEL IS REMOVED THE WARRANTY OF THE LAUNCH REEL IS VOID

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

G652D - 2000m - FC/APC LC/APC

G657A - 2000m - FC/APC FC/APC

G655 - 500m - FC/APC E2000/APC

Batch n°: J13/01234

Internal Label to identify each fiber

- Fiber type + fiber length + connectors

G652D - 2000m - FC/APC LC/APC

G657A - 2000m - FC/APC FC/APC

G655 - 500m - FC/APC E2000/APC

The colour of the two labels is:

- Yellow case with SM fibers only
- Orange case with MM fibers only
- White case with SM and MM fibres

CASE SPECIFICATION

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

Case Overall Dimensions



Launch Reel Test Report

WARRANTY VOID IF SEAL REMOVED					
Batch no.			Customer		Quantity
J17/14096			WELCOME		1 of 1
Date 10/11/2017			Order no. 103621		
Fiber 1	Code: LS1920P80P100X				
	Description: Launch Reel 9/125 G652 SC/PC - LC/PC 1000 m				
Fiber 2	Code: N.A.				
	Description: N.A.				
Fiber 3	Code: N.A.				
	Description: N.A.				
Fiber + Connector	IL [dB] - 1310 nm		Fiber + Connector	IL[dB] - 1550 nm	
	Side A	Side B		Side A	Side B
1	0,38	0,36	1	0,27	0,28
2	N.A.	N.A.	2	N.A.	N.A.
3	N.A.	N.A.	3	N.A.	N.A.
RL Grade according IEC 61753-1		MM PC ≥ 35 dB UPC ≥ 50 dB APC ≥ 60 dB			
Test Instruments: JDS Reflection Meter RX3070 - S/N GH000156 - wavelength 1310-1550 nm					
Ferrule Concentricity: SM < 0,3 µm ; MM < 1,0 µm					
Operator: N.4					
File identification : J17/14096 .xls					
Notes: Connectors side A = connectors close to the cover of the box					

Mod. opt_62 ed.01 rev. 3

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 Polypropylene Copolymer
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 + stainless steel buffer
14	Connectors	Please see the relative specification

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