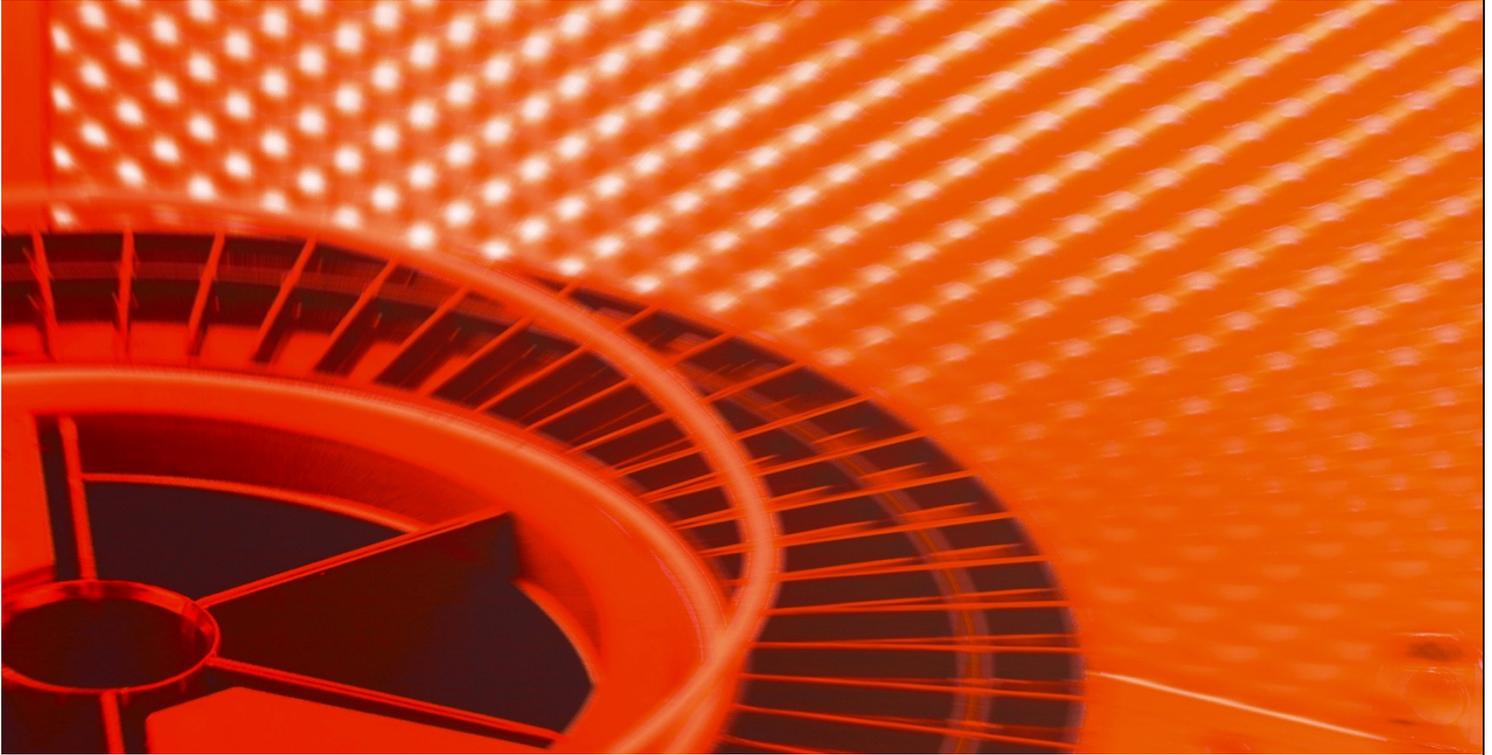


Launch Reel – LS Type



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.

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

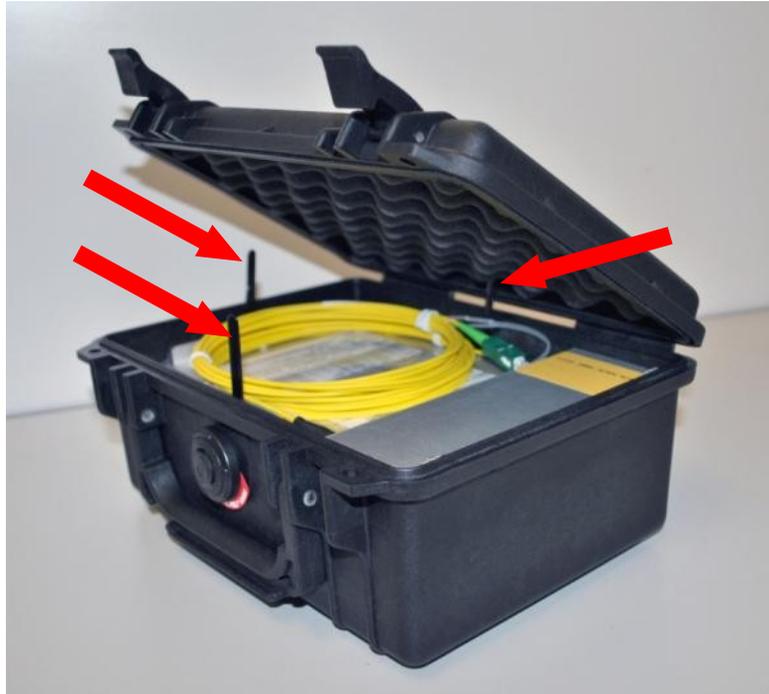
Factory quick replacement of the broken fiber ends and of the broken connectors.

Optional internal splice cassette is available on request: refer to Spec. N° LS-ST-00 004.

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.
- 2 mm LSZH ruggedized cable – length 3 m
 Yellow for SM fibres G652D, G655, G657A
 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.
- Power meter certificate always inside the case. As alternative OTDR certificate available on request.
- 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 void label prevents any unauthorized opening of the 250 μ m fibres compartment.

O P T I C A L C H A R A C T E R I S T I C S

| 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

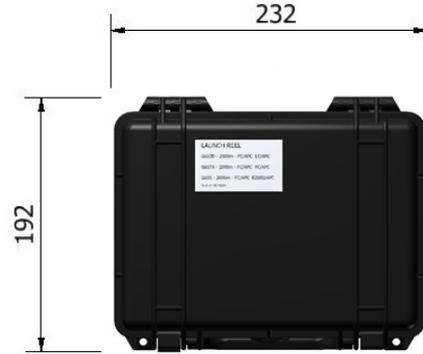
The colour of the two labels is:

- Yellow case with SM fibres only
- Orange case with MM fibres only
- 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 fibres 1,0 kg
- Crush proof grade IK10

Case Overall Dimensions

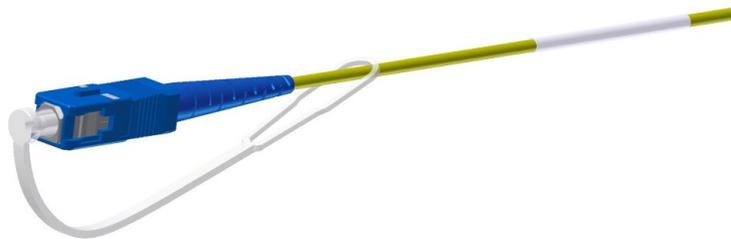


Launch Reel Test Report

| | | | | | |
|--|--|----------|-----------------------|------------------|---------------------|
| Batch no. | Customer | Quantity | | | |
| J15/04680 | WELCOME | 1 of 1 | | | |
| Date | Order no. | | | | |
| 20/05/2015 | 103621 | | | | |
| Fiber 1 | Code: LS1920P80P100X | | | | |
| Fiber 2 | Description: Launch Reel 9/125 G652 SC/PC - LC/PC 1000 m | | | | |
| Fiber 2 | Code: N.A. | | | | |
| Fiber 2 | Description: N.A. | | | | |
| Fiber 3 | Code: N.A. | | | | |
| Fiber 3 | 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. |
| RL Grade according IEC 61753-1 | MM PC Grade 4 ≥ 26 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 Reflection Meter RX3070 - S/N GH000156 - wavelength 1310-1550 nm | | | | | |
| Operator: Giancarlo Cococcia | | | R.S.G.Q.: | | |
| File identification : J15/04680 .xls | | | | | |
| Notes: Connectors side A = connectors close to the cover of the box | | | | | |

Mod. opt_62 ed.01 rev. 1

Sample 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 + hytrel 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