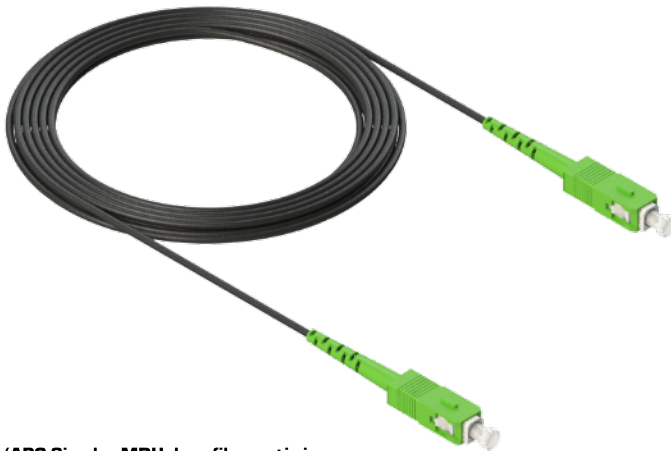# MDU DROP FIBER OPTIC JUMPER

## FJ-XX-SCA-SCA-XXXXF–X-M-X
### INDOOR OUTDOOR CABLE ASSEMBLIES

The MEXFOSERV® Drop Fiber Optic Jumpers are engineered for the complete execution of today's FTTH application needs. We have a large stock of cables and connectors for a fast turnaround on custom assemblies.

These factory-based assemblies are machine polished to ensure excellence in performance intermateability and durability. All jumpers are video inspected to ensure connector end-faces are free of defects and contamination. Insertion loss is tested using standard-based testing procedures.

**SC/APC Simplex MDU drop fiber optic jumper**

## APPLICATIONS
- Telecom
- Data transfer
- CATV
- Indoor & outdoor applications
- FTTX

## GENERAL CHARACTERISTICS
- Custom lengths ranging from 5 ft up to 500 ft (for special lenghts please contact our sales team).
- Serial number for each jumper
- Insertion loss ≤ 0.3 dB
- SC/APC polish connectors
- Return loss ≥ 60 dB (APC)
- 3 & 4.8 mm outer diameter available configurations.
- Bend insentive.
- Flame retardant cable.

## STANDARDS
- **RoHS** Compliant.

**Note:** Illustrative images

Many of our fiber optic cable assemblies are highly configurable. If you don't see what you are looking for or have questions about our ordering matrix contained on this spec sheet, please email us
info@mexfoserv.com

**Version: SP-1**
www.mexfoserv.com
info@mexfoserv.com

Revision  Dec 9, 2024  |  1

## SPECIFICATIONS

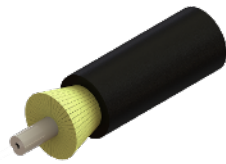| CONNECTOR SPECIFICATIONS | |
|---|---|
| CONNECTOR TYPE | SC |
| CONNECTOR POLISHING | APC (ANGLED PHYSICAL CONTACT) |
| Standard body color | Green |
| 3 mm & 4.8 mm boot color | Green |
| *Max. Insertion Loss (1310nm & 1550nm) | ≤ 0.30 dB |
| *Min. Return Loss (1310nm & 1550nm) | ≥ 60 dB |
| Ferrule Type | Ceramic |
| Ferrule Diameter | 2.5mm |
| Operational Temperature | -40ºC ~ 75ºC (-40°F ~ 167°F) |
| CABLE SPECIFICATIONS | |
| Operational Temperature | -20ºC ~ 60ºC (-4°F ~ 158°F) |
| Installation Temperature | -10ºC ~ 50ºC (14°F ~ 122°F) |
| Max.attn. on Cable | 0.4(1310nm) / 0.3(1550nm) (dB/Km) |
| Protections | Flame Retardant UV Resistant |
| Maximum Crush Resistance (3.0 mm Cable) | 350N/100mm |
| Maximum Crush Resistance (4.8 mm Cable) | 1000 N/100mm |

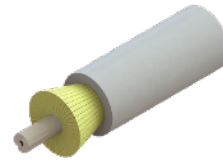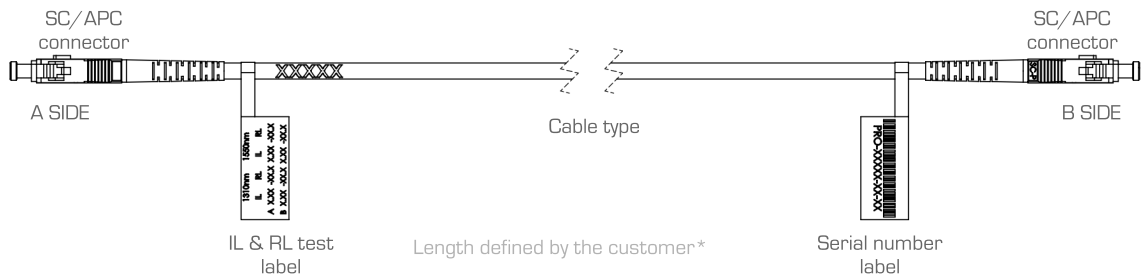## DROP CABLES



**Fig. 1** 3.0 mm & 4.8 mm MDU CABLE

**Fig. 2** 3.0 mm & 4.8 mm MDU CABLE WHITE

## DIMENSIONS



SC/APC connector — A SIDE

Cable type

SC/APC connector — B SIDE

IL & RL test label

Length defined by the customer*

Serial number label

Illustrative image

**Notes:** *Jumper length tolerances are the following:
L ≥ 5 ft up to 25 ft; + 6 in / - 0.0 in
L ≥ 26 ft up to 500 FT; + 1% / - 0.0
The label of serial/part number and the IL & RL test label will always be printed and placed at opposite ends.

## INDIVIDUAL PACKAGING

| | | | | PACKAGING SPECIFICATIONS | | | |
|---|---|---|---|---|---|---|---|
| Length | Individual zipper bag (3 mm) | Individual zipper bag (4.8 mm) | 3" X 4" 10000284 Label | Master box | Quantity of zipper bags into master box (3 mm) | Quantity of zipper bags into master box (4.8 mm) | Master boxes per pallet |
| 5 - 25 FT | 1 (1141) | 1 (1141) | 2 | CC-30-25-25-ECT42 30 x 25 x 25 cm (11.81 x 9.84 x 9.84") carton master box | 28 pcs | 13 pcs | 60 |
| 26 - 125 FT | 1 (1141) | 1 (1119) | 2 | | 12 pcs | 7 pcs | |
| 126 - 200 FT | 1 (1119) | 1 (1119) | 2 | | 10 pcs | 6 pcs | |
| 201 - 350 FT | 1 (1119) | 1 (S-12256) | 2 | | 7 pcs | 5 pcs | |
| 351 - 500 FT | 1 (S-12256) | 1 (S-12256) | 2 | | 5 pcs | 4 pcs | |

**1141**: 20 x 20 cm (8 x 8") ╱ **1119**: 25 x 30 cm (10 x 12") ╱ **S-12256**: 30 x 45 cm (12" x 18") Resealable plastic bag.

Note: Every master box has a 3" X 4" 10000284 Label

## LABELING INFORMATION



**Individual label**



**Group label**

**Notes:**

**1.** Individual label is applied on the individual bag for each assembly. Group label is applied on to the master box that cointains several assemblies.

**2.** Geometry and inspections reports are stored digitally and can be shared if needed. Printed reports will have an extra cost, please ask your sales representative for a printed report.

**3.** All assemblies are shipped in plastic bags, inside a box, if a reeel is needed it will have an extra cost, please ask your sales representative for this option

## PALLET PACKAGING

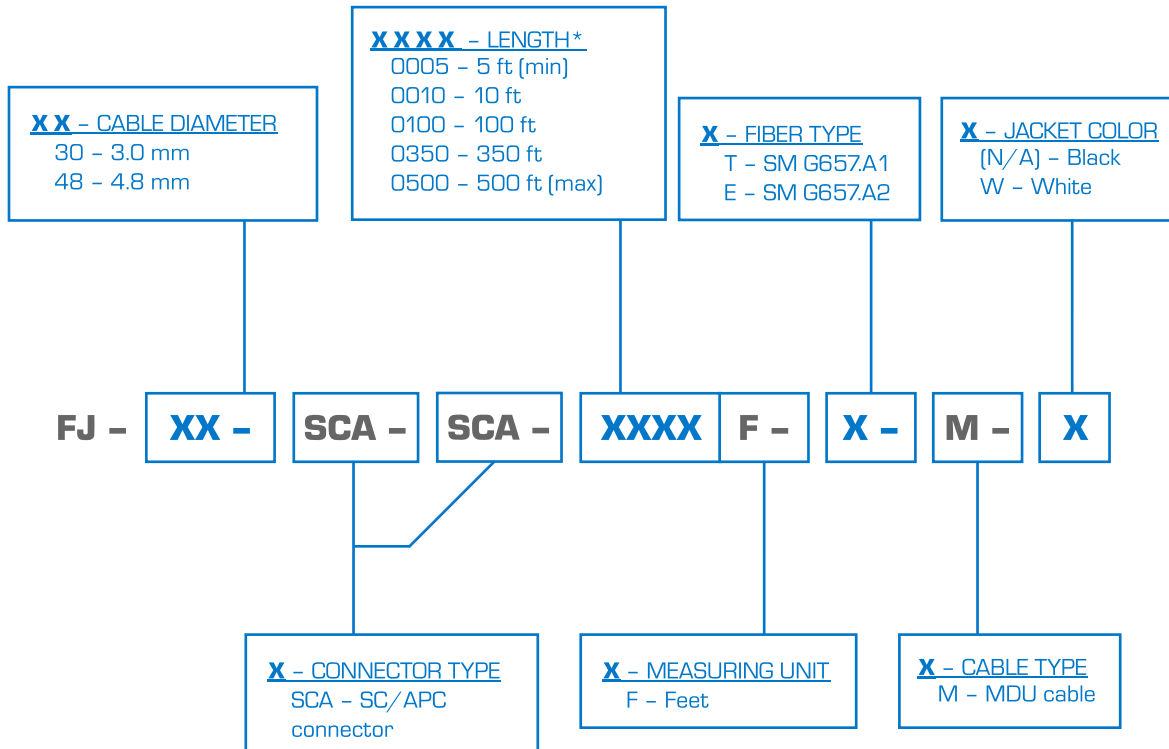| PALLET SPECIFICATIONS | |
|---|---|
| Pallet dimensions | Standard pallet (1113-CERT)1.0 x 1.2 meters (40 x 48") |
| CC-30-25-25-ECT42 master box maximum capacity | 5 beds with 12 boxes in each bed, 60 CC-30-25-25-ECT42 boxes in total on the pallet, protected by stretch wrap, strapping and corner protectors. |



**Fig. 3** Pallet packaging



**Fig. 4** CC-30-25-25-ECT42

## MDU DROP FIBER OPTIC JUMPER

**X X** – CABLE DIAMETER
30 – 3.0 mm
48 – 4.8 mm

**X X X X** – LENGTH*
0005 – 5 ft (min)
0010 – 10 ft
0100 – 100 ft
0350 – 350 ft
0500 – 500 ft (max)

**X** – FIBER TYPE
T – SM G657.A1
E – SM G657.A2

**X** – JACKET COLOR
(N/A) – Black
W – White

FJ – **XX –** **SCA –** **SCA –** **XXXX** **F –** **X –** **M –** **X**

**X** – CONNECTOR TYPE
SCA – SC/APC connector

**X** – MEASURING UNIT
F – Feet

**X** – CABLE TYPE
M – MDU cable

**Note:** MEXFOSERV® MDU drop fiber optic jumper is available in various standard lengths please ask your sales reprentative for our current stock.