

2-CORE FLAT DROP FIBER OPTIC JUMPER

FJ-02-XX-XXX-XXX-XX-XXXXX-T
PATCH CORDS

The jumper is a high-quality optical assembly manufactured using custom connectors on both sides. Flat drop cable assemblies are designed to simplify the transition from outdoor environment to an indoor Optical Network Terminal (ONT). It can be installed in aerial or duct installations.

These factory preterminated flat drop jumpers are the industry 2-core standard for existing FTTx installations. All jumpers are video inspected to ensure connector end-faces are free of defects and contamination.



2F SC / APC Flat Drop Fiber
Optic Jumper Assemblies

APPLICATIONS

- FTTx application
- Fusion splicing
- Outdoor / Indoor transition

GENERAL CHARACTERISTICS

- Custom lengths from 20 to 2000FT
- Serial number for each jumper
- UV resistant
- Insertion loss: ≤ 0.20 dB (EACH CONNECTOR)
- Return loss (APC): ≥ -65 dB (EACH CONNECTOR)
- All jumpers are 100% tested
- Environmentally stable
- Easy to strip cable for quick splicing

STANDARDS

- GR-326-CORE
- GR-1221-CORE
- RoHS
- ANSI/TIA-568-C.3
- ANSI/TIA-598-C



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



CHARACTERISTICS

STANDARD CONNECTOR SPECIFICATIONS	
	APC (ANGLED PHYSICAL CONTACT)
CONNECTOR TYPE	SC
Insertion Loss (1,310nm & 1,550nm)	≤ 20dB
Return Loss (1,310nm & 1,550nm)	≥ - 65dB
Ferrule Angle	8° ± 0.3°
Ferrule Type	Zirconia Ceramic
Ferrule Diameter	2.5mm
Operational Temperature	-40° F to +167° F (-40° C to +75°C)

SINGLE-MODE FIBER SPECIFICATIONS

SINGLE-MODE FIBER TYPES AND SPECIFICATIONS		
FIBER TYPE	G657A1	
Mode field diameter (µm)	1,310nm	8.4 ~ 9.2
	1,550nm	9.3 ~ 10.3
Waveoptics® fiber type	T	

SINGLE-MODE CABLE SPECIFICATIONS

FLAT DROP LOOSE TUBE CABLE DRY

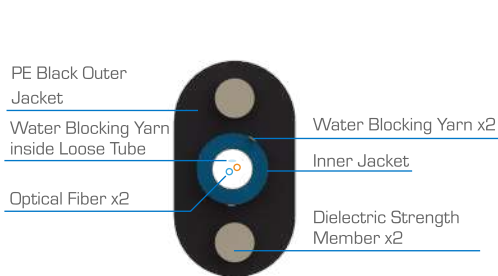


Fig. 1 Flat drop cable Dry
- Allows deployment near power line and utilities

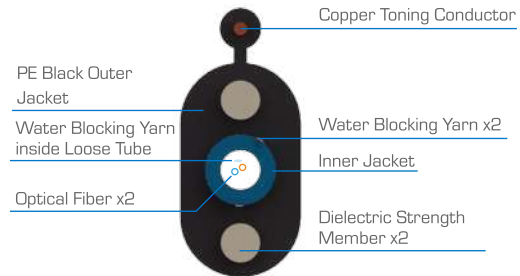


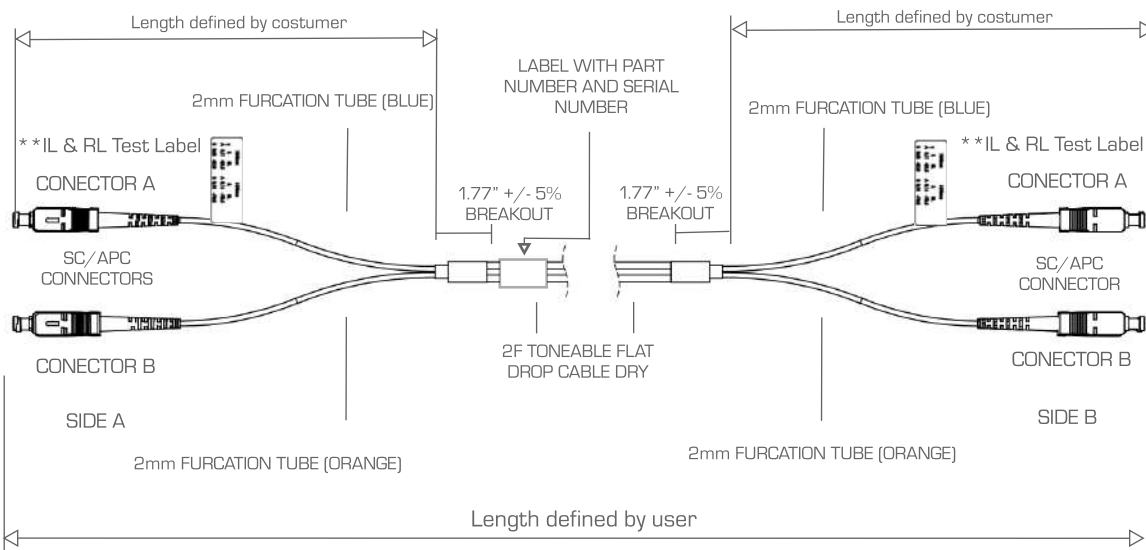
Fig. 2 Toneable flat drop cable dry
- Allows traceability throughout the network

Note: Images for reference only



FLAT DROP LOOSE TUBE CABLE DRY SPECIFICATIONS		
CABLE TYPE	Flat Drop Loose Tube Cable Dry	Toneable Flat Drop Loose Tube Cable Dry
Acrylate coated fiber diameter	250µm	
Loose tube material/diameter (mm) (inches)	PBT / 3mm (0.11")	
Nominal outer dimensions	8.0 x 4.5mm (0.32 x 0.18")	10.0 x 4.5mm (0.39 x 0.18")
Cable weight	32kg/km (22lb/kft)	39.4kg/km (26.5lb/kft)
Max. Attenuation (dB/km)	0.35 (1310nm) / 0.25 (1550nm) [dB/Km]	
Tensile strength long-term/short-term	400N/1350N	
Crush resistance (short-term/long-term)	2200N/100mm / 1100N/100mm	
Minimum bend radius (operation/installation)	10 x OD / 20 x OD	

DIMENSIONS



Note 1: 2-Core Flat Drop Fiber Optic Jumper tolerances are:

> 0 ≤ 1000 ft + 4 ft / - 0 ft

> 1000 ft ≤ 2000 ft + 4 ft / - 0 ft

Note 2: Side A and B could be any of both, there's no difference.

Note 3: **Both sides will have one IL & RL tests label for both connectors of the corresponding side.



STANDARD PACKAGING

BOX PACKAGING SPECIFICATIONS

1
ASSEMBLIES
FROM
20 ft TO
300 ft



**INDIVIDUAL
ZIPPER BAG**



**PACKAGING
BOX**



**MASTER
BOX**



PALLET

2
ASSEMBLIES
FROM
301 ft TO
1000 ft



**INDIVIDUAL
COIL**



**PACKAGING
BOX**



**MASTER
BOX**



PALLET

REEL PACKAGING SPECIFICATIONS

3
ASSEMBLIES
FROM
301 ft TO
700 ft



PLASTIC REEL

4
ASSEMBLIES
FROM
701 ft TO
1000 ft



PLASTIC REEL

5
ASSEMBLIES
FROM
1001 ft TO
2000 ft



PLASTIC REEL



INDIVIDUAL REEL BOX



PALLET

LABEL WITH
PRODUCT
INFORMATION

	www.mexfoserv.com info@mexfoserv.com
CODE: FJ-02-XX-XXX-XXX-XX-XXXX-T	
DESCRIPTION: 2F [CABLE TYPE] [CONNECTOR TYPE] [FURCATION LENGHT] [CABLE LENGHT] SM G657A1 JUMPER	
QTY: XX PCS	
	

* Images for reference only

Note: Packaging is highly configurable. Please contact your sales representative for any questions or special packaging needs or email us info@mexfoserv.com



BOX PACKAGING SPECIFICATIONS								
1	Length	16 x 18" Zipper bag 1129	3 x 4" Label	Assemblies per 58.4 x 49 x 23.5 cm packing box FONCS17-M	Cable ties	Master box 60.4 x 51 x 51 cm FONCS15-M	Assemblies per master box	Master boxes per pallet
	20-50 ft	1	3	15	4	Fits 2 packaging boxes	30	16
	51-75 ft	1	3	12	4		24	
	76-100 ft	1	3	9	4		18	
	101-150ft	1	3	6	4		12	
	Length	20 x 20" Zipper bag S-12259	3 x 4" Label	Assemblies per 58.4 x 49 x 24.5 cm packing box FONCS17-M	Cable ties	Master box 60.4 x 51 x 51 cm FONCS15-M	Assemblies per master box	Master boxes per pallet
151-300 ft	1	3	3	4	Fits 2 packaging boxes	6	16	
2	Length		3 x 4" Label	Assemblies per 50 x 19.8 x 50 cm packing box FONCS16-M	Cable ties	Master box 60.4 x 51 x 51 cm FONCS15-M	Assemblies per master box	Master boxes per pallet
	301-1000 ft		2	1	4	Fits 3 packaging boxes	3	16
REEL PACKAGING SPECIFICATIONS								
3	Length		3 x 4" Label	Individual reel	Individual reel box	Boxes per pallet		
	301-700 ft		2	EM-1126 reel 20.5 x 16 x 36.5 cm	EM-1030A-M box 38.7 x 23.8 x 39 cm	60		
4	701-1000 ft		2	EM-1125 reel 34 x 30.5 x 36.5 cm	EM-1031A-M box 38.7 x 37.4 x 40.2 cm	45		
5	1001-2000 ft		2	EM-1136 reel 34.02 x 30.5 x 45.75 cm	EM-1024A-M box 48.1 x 37.2 x 48.5 cm	24		

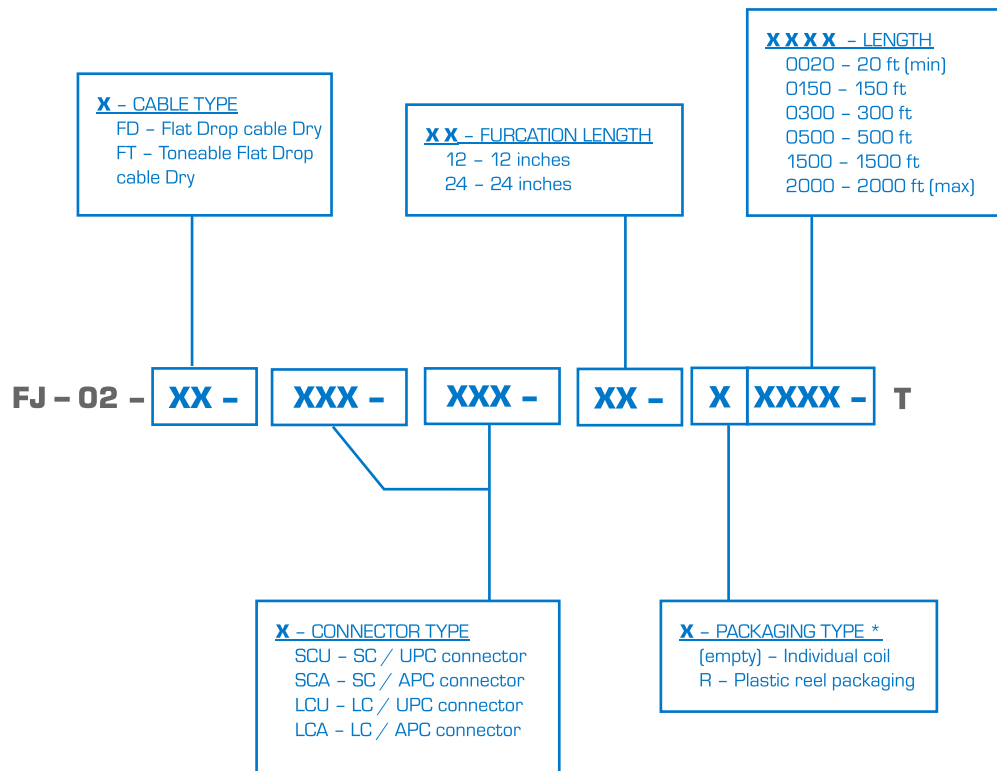
Notes:

1. Assemblies from 20FT to 100FT will be in leaps from 10FT to 10FT.
 2. Assemblies from 100FT to 300FT will be in leaps from 25FT to 25FT.
 3. Assemblies from 300FT and above will be in leaps from 50FT to 50FT.
- All boxes are mounted on a 1x1.2m (40 x 48") CERT-1113 certified pallet.



ORDERING MATRIX

2-CORE FLAT DROP FIBER OPTIC JUMPER


Notes:

- If the desired length is 99 feet or less consider adding a 0 before and three positions only in the ordering matrix.
- * Configurable packaging type only available for assemblies between 301 to 1000 feet.

