

FLAT DROP FIBER OPTIC PIGTAIL

PT-XX-XXX-XX-XXXXX-T
OUTDOOR CABLE ASSEMBLIES

The pigtail is a high-quality optical assembly manufactured using custom connectors and correct fusion splicing to accommodate another fiber cable in a tray, rack or splice closure. Flat drop cable assemblies are designed to simplifying 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 pigtails are the industry standard for existing FTTx installations. All pigtails are video inspected to ensure connector end-faces are free of defects and contamination.



SC/APC flat drop fiber optic pigtail

APPLICATIONS

- FTTx application
- Fusion splicing
- Outdoor / Indoor transition

GENERAL CHARACTERISTICS

- Custom lengths from 20 to 2000 ft
- Serial number for each pigtail
- Insertion loss: ≤ 0.20 dB
- Return loss (UPC): ≤ -55 dB
- Return loss (APC): ≤ -65 dB
- All pigtails are 100% optically tested
- Operating temperatures: -13° F to 158° F (-25° C to $+70^{\circ}$ C)
- Easy to strip cable for quick splicing

STANDARDS

- ANSI/TIA-568-C.3
- RoHS

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

CHARACTERISTICS

SINGLE-MODE CONNECTOR SPECIFICATIONS			
	UPC (ULTRA-PHYSICAL CONTACT)		APC (ANGLED PHYSICAL CONTACT)
CONNECTOR TYPE	SC	LC	SC
Standard body color	Blue		Green
Boot color	Blue		Green
Max. Insertion Loss (1310nm & 1550nm)	≤ 0.20 dB		≤ 0.20 dB
Min. Return Loss (1310nm & 1550nm)	≤ -55dB		≤ -65 dB
Ferrule Type	Zirconia Ceramic		Zirconia Ceramic
Ferrule Diameter	2.5mm	1.25mm	2.5mm
Operational Temperature	-13° F to +158° F (-25° C to +70°C)		

SINGLE-MODE FIBER SPECIFICATIONS

SINGLE-MODE FIBER TYPES AND SPECIFICATIONS		
FIBER TYPE	G657.A1	
Mode field diameter (μm)	1310nm	8.4 ~ 9.2
	1550nm	9.3 ~ 10.3
Waveoptics® fiber type	T	

SINGLE-MODE CABLE SPECIFICATIONS

FLAT DROP SIMPLEX CABLE

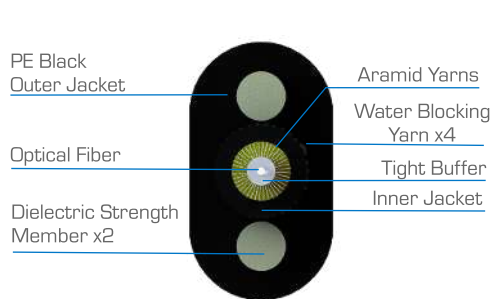


Fig. 1 Flat drop simplex cable
- Allows deployment near power line and utilities

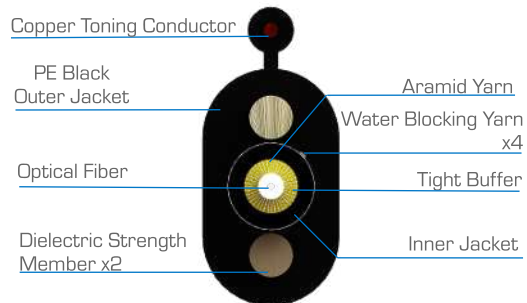
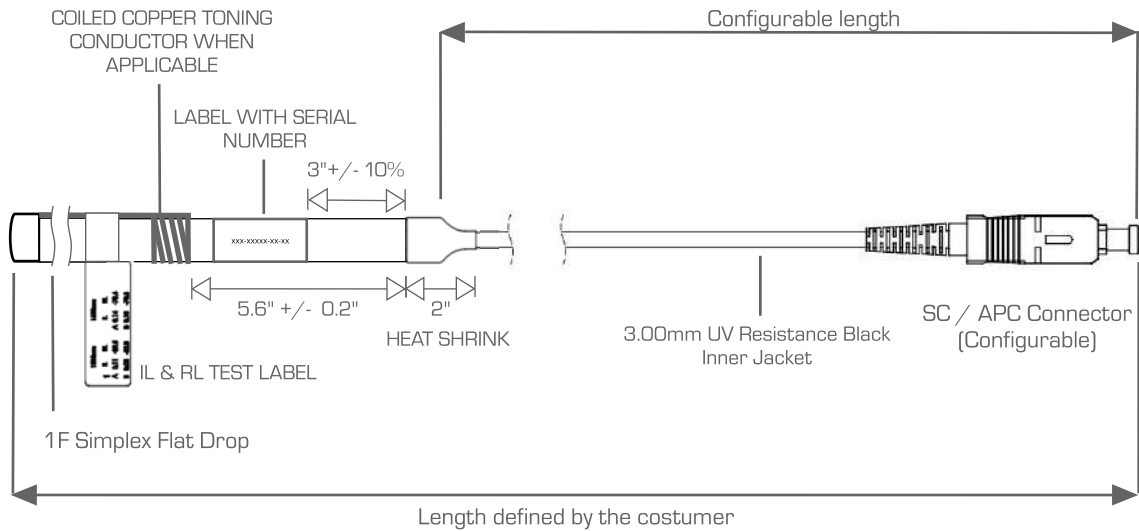


Fig. 2 Toneable flat drop simplex cable
- Allows traceability throughout the network

Note: Images for reference only

FLAT DROP SIMPLEX CABLE SPECIFICATIONS		
CABLE TYPE	Flat drop simplex cable	Toneable flat drop simplex cable
Acrylate coated fiber diameter	250µm	
Tight buffer material/diameter (mm)	PVC riser/0.9mm (0.04")	
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	43.5kg/km [29.2lb/kft]	47.4kg/km [31.9lb/kft]
Max. Attenuation	0.4 (1310) / 0.3 (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: Flat drop fiber optic pigtail tolerances are: +4 ft/- 0.0 ft

Note: Images for reference only



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
2000 ft



PLASTIC REEL



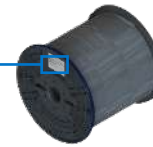
INDIVIDUAL REEL BOX

LABELING SPECIFICATION

INDIVIDUAL ZIPPER BAG



PLASTIC REEL



MEXFO SERV www.mexfoserv.com
info@mexfoserv.com

PRODUCT CODE: PT-XX-XXXX-XX-XXXX-T

DESCRIPTION:
[CABLE TYPE] XXX X [LENGTH] 1310nm 1550nm
SM G657.A1 PIGTAIL IL RL IL RL
A1 XXX-XXXX-XXX-XXXX
A2
B1
B2

QTY: XX PCS



PT-XX-XXXX-XX-XXXX-T



FONCS16-M



FONCS15-M

MEXFO SERV www.mexfoserv.com
info@mexfoserv.com

PRODUCT CODE: PT-XX-XXXX-XX-XXXX-T

DESCRIPTION:
[CABLE TYPE] XXX X [LENGTH] SM G657.A1 PIGTAIL

QTY: XX PCS



PT-XX-XXXX-XX-XXXX-T

LABEL WITH
PRODUCT
INFORMATION



INDIVIDUAL REEL BOX



FONCS17-M



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		
	301-2000 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		

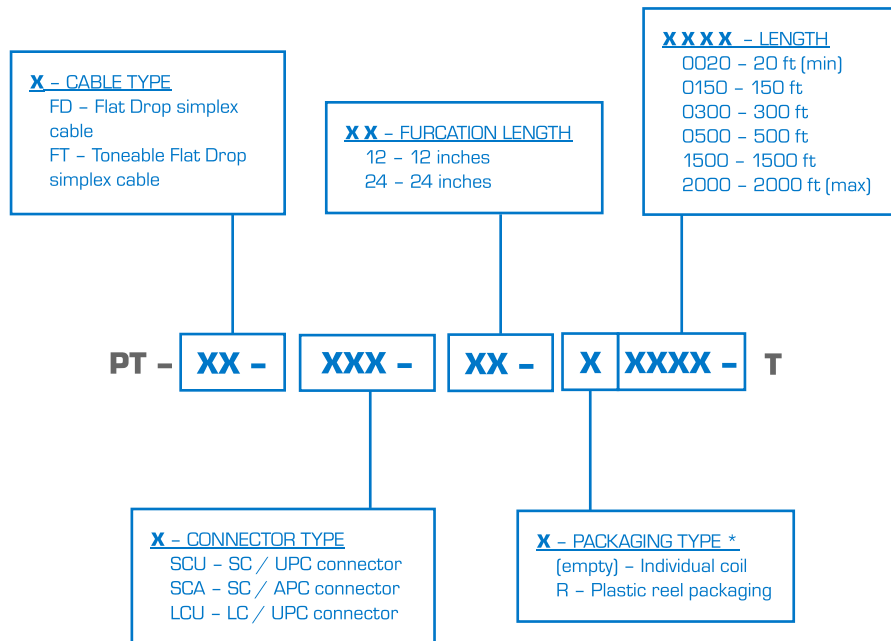
Notes:

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

FLAT DROP FIBER OPTIC PIGTAIL


Notes:

- The 3.0mm simplex cable is always black due to jacket construction.
- * Configurable packaging type only available for assemblies between 301 to 1000 feet.

