

HARDENED DROP FIBER OPTIC PIGTAIL

PT-XX-SCHA-XXXXX-T
IP GRADE OUTDOOR ASSEMBLIES

This factory preterminated flat drop pigtail is the industry standard for existing FTTx installations, it provides a quick and easy "plug and play" connection from the pedestal or handholes to the network terminals (ONTs) and can be installed in aerial, direct-buried or duct installations, reducing the cost and time of drop cable deployment simplifying installation and maintenance by reducing splicing in the distribution portion of the network.

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



SC/APC Hardened Connector
Drop Fiber Optic Pigtail

APPLICATIONS

- FTTx application

GENERAL CHARACTERISTICS

- Custom lengths from 20 to 2000 ft
- Serial number for each pigtail
- Male SC/APC Hardened Connector insertion loss less than 0.40 dB
- Return loss \geq -65 dB [APC]
- Operating temperatures: -40° F to +158° F (-40° C to +70° C)
- All pigtails are 100% optically tested
- Optitap® Compatible

STANDARDS

- RoHS
- IP68
- ANSI/TIA-568-C.3
- ANSI/TIA-598-C
- GR-3120-CORE
 - ▶ Torsion
 - ▶ Proof
 - ▶ Transmission with applied tensile load
 - ▶ Compression
 - ▶ Impact
 - ▶ Thermal age
 - ▶ Thermal cycle
 - ▶ Humidity aging

Note: Images for reference only



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



"PLUG AND PLAY" CONNECTION



CHARACTERISTICS

FILUX HARDENED CONNECTOR SPECIFICATIONS	
POLISHING	APC (ANGLED PHYSICAL CONTACT)
CONNECTOR TYPE	SC
Insertion Loss (1,310nm & 1,550nm)	≤ 0.40dB
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 +158° F (-40° C to +70°C)

SINGLE-MODE CABLE SPECIFICATIONS

FLAT DROP SIMPLEX CABLE

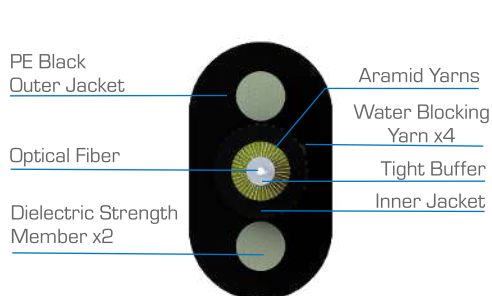


Fig. 1 Flat drop simplex cable
- Allows deployment near power line and utilities

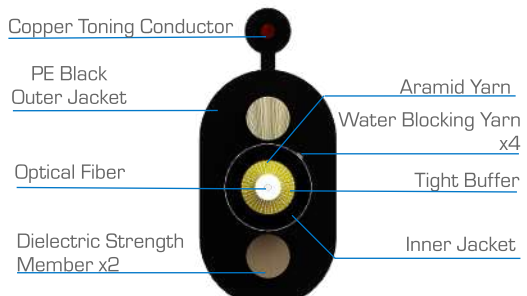


Fig. 2 Toneable flat drop simplex cable
- Allows traceability throughout the network

Note: Images for reference only

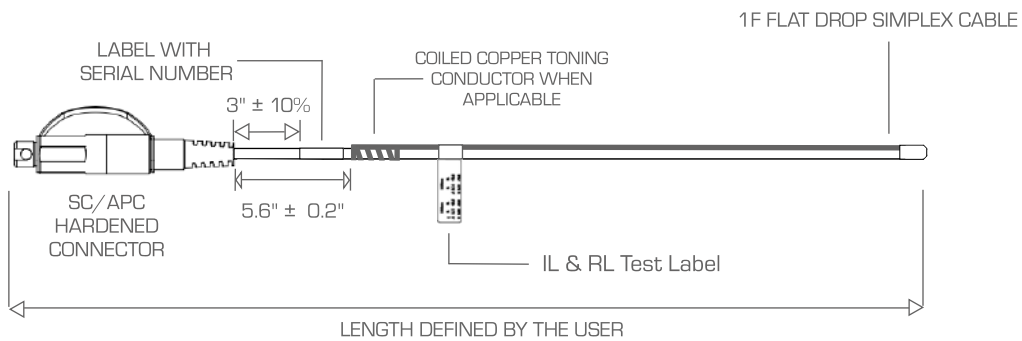


FLAT DROP SIMPLEX CABLE SPECIFICATIONS		
CABLE TYPE	Flat Drop Simplex Cable	Toneable Flat Drop Simplex Cable
Acrylate coated fiber diameter	250µm	
Tight buffer material/diameter	PVC riser UV resistant /0.9mm (0.04")	
Nominal outer dimensions	8.0 x 4.5mm (0.32 x 0.18")	10.0 x 4.5mm (0.39 x 0.18")
Cable 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	

SINGLE-MODE FIBER SPECIFICATIONS

SINGLE-MODE FIBER TYPES AND SPECIFICATIONS		
FIBER TYPE	G657.A1	
Mode field diameter (µm)	1,310nm	8.4 ~ 9.2
	1,550nm	9.3 ~ 10.3
Waveoptics® fiber type	T	

DIMENSIONS



Note: The flat drop SC/APC hardened connector patch cord 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



BOX PACKAGING SPECIFICATIONS								
1	Length	16 x 18" Zipper bag 1129	3 x 4" Label	Assemblies per 58.4X 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 58.4X 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
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		

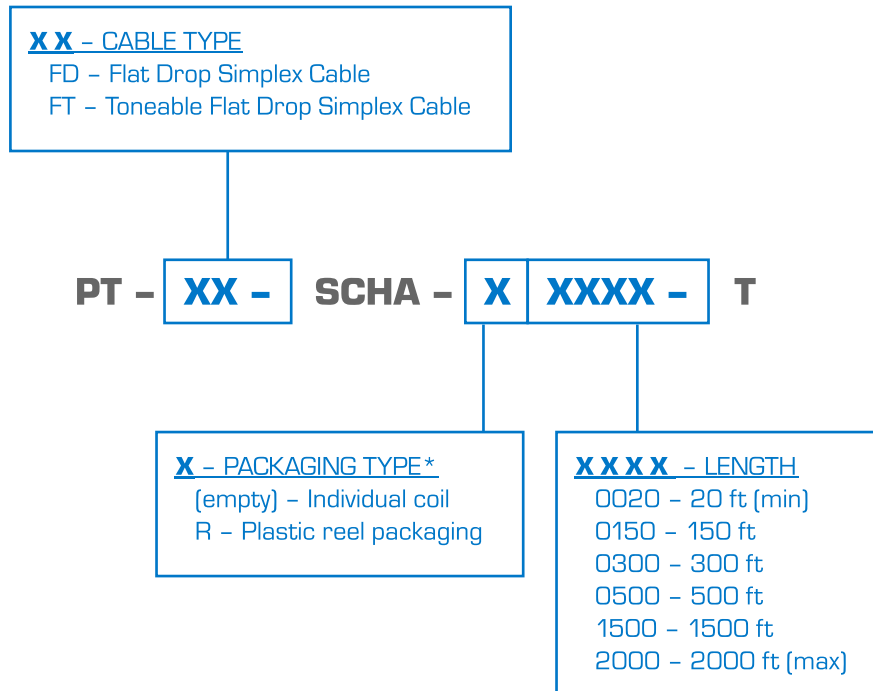
Notes:

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

SC/APC HARDENED CONNECTOR DROP FIBER OPTIC PIGTAIL


Notes:

- The 3.0mm simplex cable is always black due to jacket construction.
- * The pulling eye can only be added on one end in any transition (non-hardened connector side).
- ** Configurable packaging type only available for assemblies between 301 to 1000 feet.

