

OPGW



Suzhou Furukawa Power Optic Cable Co., Ltd

SFPOC

Company Profile

(SFPOC)

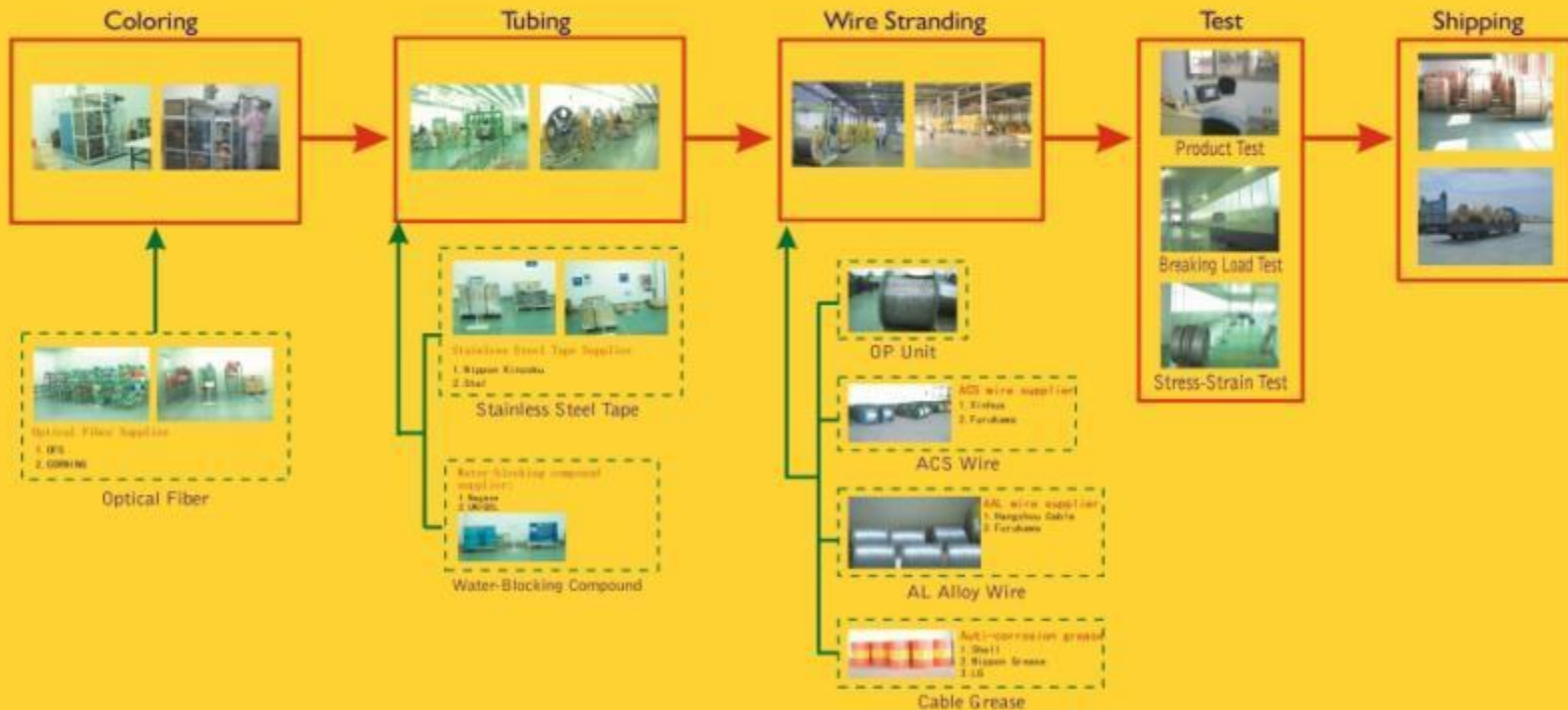
- ISO 9001 Certified Company
- ISO 14001 Certified Company
- Controlling Share : Furukawa Electric Co., Ltd. of Japan
- Investment : > 30 million USD
- Technology : Furukawa Electric Co., Ltd. of Japan
- Manufacturing & Quality Control : Under Direct
Supervision of FEC Engineers



SFPOC – OPGW Manufacturing



Flow Chart of OPGW Manufacturing Process



Company Profile

(SFPOC)

Resources: Testing

Fiber Testing

- Attenuation, Fiber Continuity -OTDR (8)
- Fiber Geometry
- Fiber Bending – Attenuation Measurement Set Up
- Chromatic Dispersion
- Polarization Mode Dispersion (PMD)
- Optical Microscope

Wire Testing

- Tensile Strength
- Elongation
- Torsion / Wrapping
- Resistance Bridge

Cable Testing

- Breaking Load, Stress Strain and Strain Margin
- Temperature Cycling Test
- Seepage of Flooding Compound Test
- Water Ingress Test
- Crush & Impact Test
- Cable Bend Test
- Sheave test
- Cable cut-off



Optical
Fibers

AllWave[®] Fiber
Zero Water Peak

Zero Water Peak Fiber

The New Standard in Single Mode Fiber!



World's Best Single
Mode Fiber for Single
Channel or WDM Use



Suzhou Furukawa Power Optic Cable Co., Ltd

SFPOC

OPGW Designs



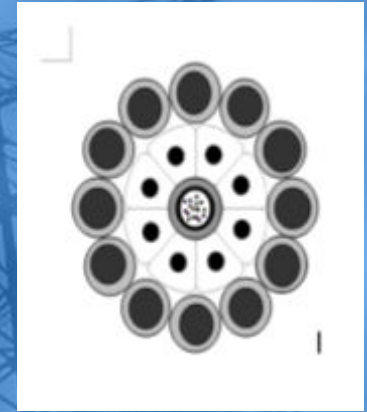
SFPOC-CENTRUM



SFPOC-LUX



SFPOC-DUAL



SFPOC-TRAZ



OPGW Type Approval Testing

- Tensile strength
- Short Circuit
- Lightning
- Water Penetration
- Filling Compound
- Aeolian Vibration
- Galloping
- Stress – Strain
- Strain Margin
- Sheave
- Crush
- Impact
- Temperature Cycling
- Creep

IEEE 1138

IEC 60794-4-1

ITU - G652,655

