

OPGW



Suzhou Furukawa Power Optic Cable Co., Ltd

SFPOC

Company Profile

(SFPOC)

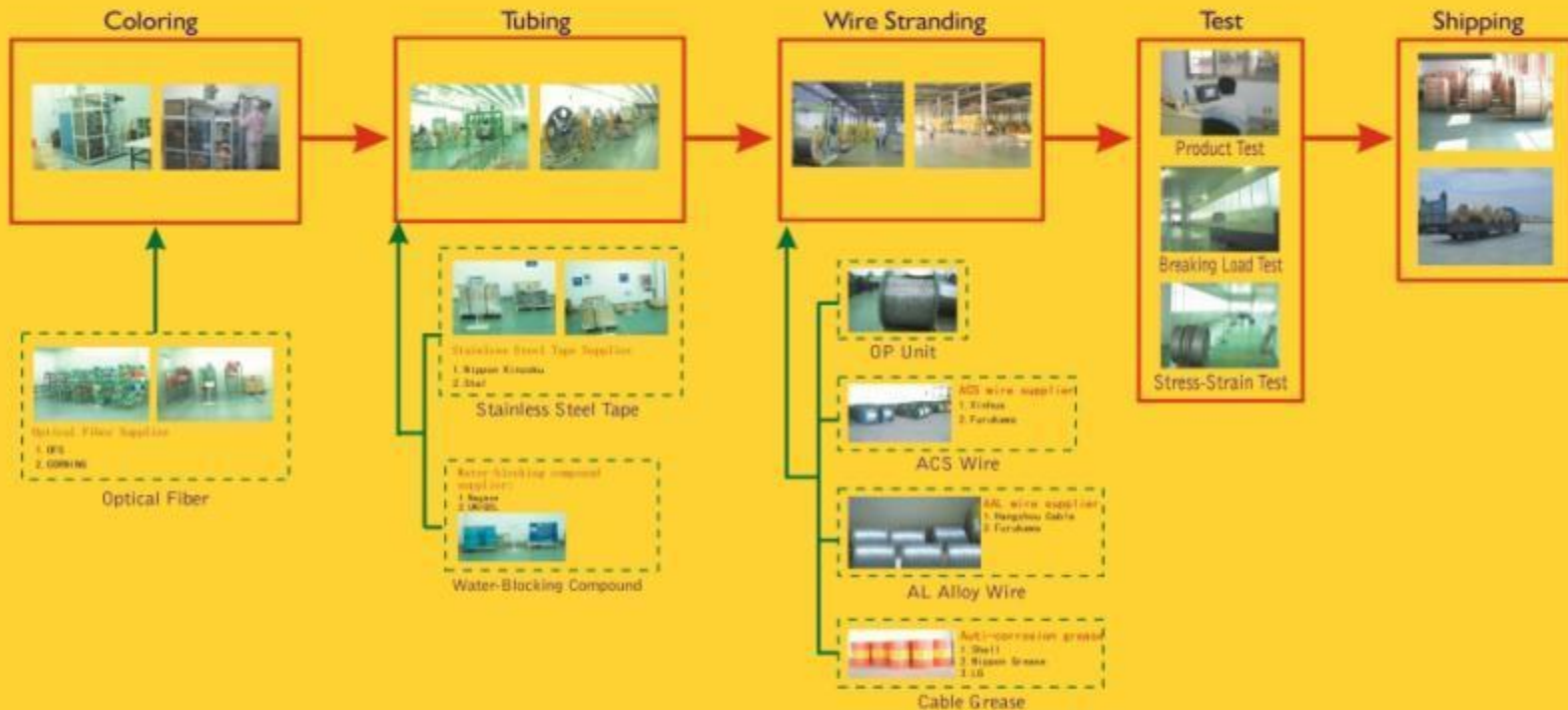
- ISO 9001 Certified Company
- ISO 14001 Certified Company
- Controlling Share : Furukawa Electric Co., Ltd. of Japan
- Investment : > 30 million USD
- Technology : Furukawa Electric Co., Ltd. of Japan
- Manufacturing & Quality Control : Under Direct
Supervision of FEC Engineers



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

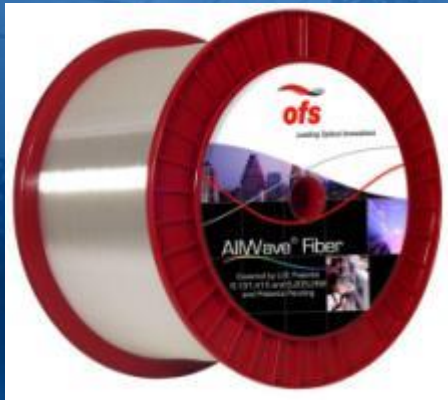


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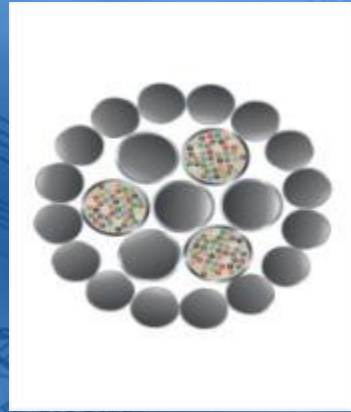
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OPGW Designs



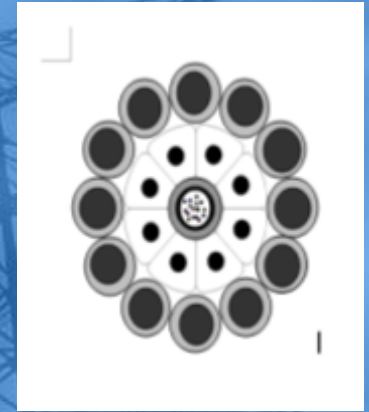
SFPOC-CENTRUM



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

