

## FIBER OPTIC CABLES

CONDUCTIX, Delachaux Group, range includes a broad range of extrusion and stranding lines for the manufacturing of fiber optic cables.

CONDUCTIX lines share a common capability to reach production speeds in excess of today's material processing limits, thus ensuring the necessary safety margin for future needs.

Other design features are

- robust and reliable mechanical construction, compatible with demanding 24/7 production environment
- sophisticated regulation and control systems to ensure tension stability all along the production process,
- careful design of the fiber path to minimize optical attenuation during the extrusion and stranding processes,
- innovative extrusion technologies such as Vickersil® plating applied on material processing parts (screw, barrel, cross-head) to minimize wear.

CONDUCTIX extrusion lines are compatible with most of currently used materials including low smoke zero halogen (LSZH) materials.

All lines can be customized to offer multi-product capacity with easy switching between different production modes thanks to the integrated recipe management feature of the supervision software.

### SZ STRANDING

150 m/min SZ stranding line for building fiber optic cables with up to 18 loose tubes. Modular disc design with low friction ceramic dies. Short reversal time of the discs result in smooth and even lay. Minimum tension at the reverse.



*1000 m/min microtube secondary coating line*

### HIGH SPEED SECONDARY COATING LINES

- **loose tube line**, featuring 500 m/min production speed, sophisticated tension control and proprietary EFL system.
- **microtube line**, a newly developed secondary coating process for buffering fiber optic with high density in a soft and flexible plastic tube. Allows up to 12 fibers in a 1.3 mm diameter tube, easily strippable by the fingers while ensuring sufficient protection against mechanical stresses and moisture for outdoor use. Production speed up to 1000 m/min.
- **tight buffer line**, for tightly surrounding a single fiber, production speed up to 1000 m/min

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### PREMISES CABLE

For production of a wide range of simplex / duplex, subgroup and distribution cables on the same line. Tight buffer production in option.

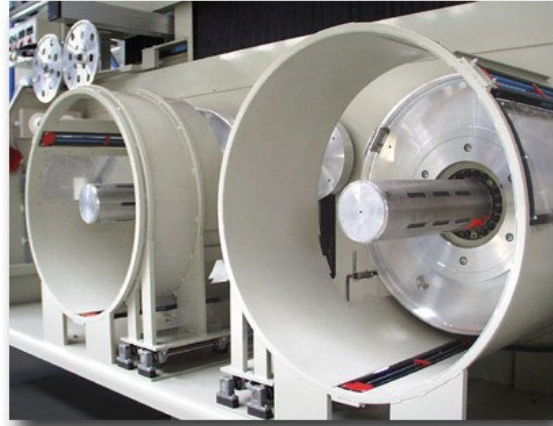
### SHEATHING / JACKETING

Versatile extrusion line for production of a broad range of fiber optical cables.

Several production modes can be implemented on the same line with easy switching from one mode to another.

Compatible with most of currently used sheathing materials : PVC, PE, PP, FRPE, LSZH materials, PTFE, ...

Feature a proprietary auto-traversing take-up with laser guided flange detection.



*1000 m/min automatic dual take-up for secondary coating line*

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*CONDUCTIX Delachaux mission statement is to design and manufacture innovative equipment and systems that ensure true competitive advantage to the production process of our Customers. We treat our Customers as partners with whom we establish close and confidential cooperation over a long term period.*

*Markets served are fiber optic manufacturing and testing, fiber optic cables production, stranding and taping of copper wires and cables, insulation and jacketing.*

*The company is based in Belley, France;*

*CONDUCTIX fiber & cable activity belongs to the DELACHAUX group, an international industrial group with leading market positions in conductic, railway and metal businesses.*

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