# FIBER OPTICS DISTRIBUTION

## Comprehensive range of devices for distribution of signals on fiber optics

The Televes product range of fiber optics includes everything needed to implement the FO networks.

This product family consists of: enclosures, multifiber cables, and accessories for connectorization, complemented by related products such as field meter, light generator, splicing fittings and other accessories.

This product range complements the overall service that Televes offers to the installers of telecommunications in an environment characterized by the multiplicity of networks and technologies.

Televes®

# FIBER OPTICS DISTRIBUTION

## ✓ MAIN ENCLOSURE

- ■ Provide fusion and storage appliance for optical cables.
- ■ Feature a reliable protection appliance for fixing, stripping and earthing for optical cables.
- ■ Protected design for fiber lay to ensure the minimum bending radius.
- ■ Provide various accessories to avoid any unexpected damage to the fiber.
- ■ Metal cabinets painted with electrostatic spraying.

| REF | DESCRIPTION | CODE EAN 13 |
|-----|-------------|-------------|
| 233001 | Indoor main terminal enclosure for FO. Up to 48 connectors SC/APC (not included) Dimensions (WxHxD): 370x350x95 mm | 8424450153185 |

▲ 233001

## ✓ SPLITTING ENCLOSURE

- ■ Designed for installation in the dividing of each plant.
- ■ They may be used either as a pass-through box or as a final box.

| REF | DESCRIPTION | CODE EAN 13 |
|-----|-------------|-------------|
| 231301 | Indoor splitting terminal enclosure for FO. Up to 8 FTTH drop fibers Dimensions (WxHxD): 153x264x67 mm | 8424450153222 |

▲ 231301

## ✓ USER ACCESS POINTS (UAPs)

- ■ Perform the function of liaison between both the dispersion network (branch of the rising trunk) and the user network.
- ■ They can be used as an outlet for fiber optics.

| REF | DESCRIPTION | CODE EAN 13 |
|-----|-------------|-------------|
| 2315 | UAP of F.O. up to 2 adapters SC-female (included). Dimensions (WxHxD): 80x80x25 mm | 8424450142455 |
| 231501 | UAP of F.O. for up to 4 adapters SC-female (2 included). Dimensions (WxHxD): 150x110x32 mm | 8424450153246 |

▲ 2315

▲ 231501

Televes®
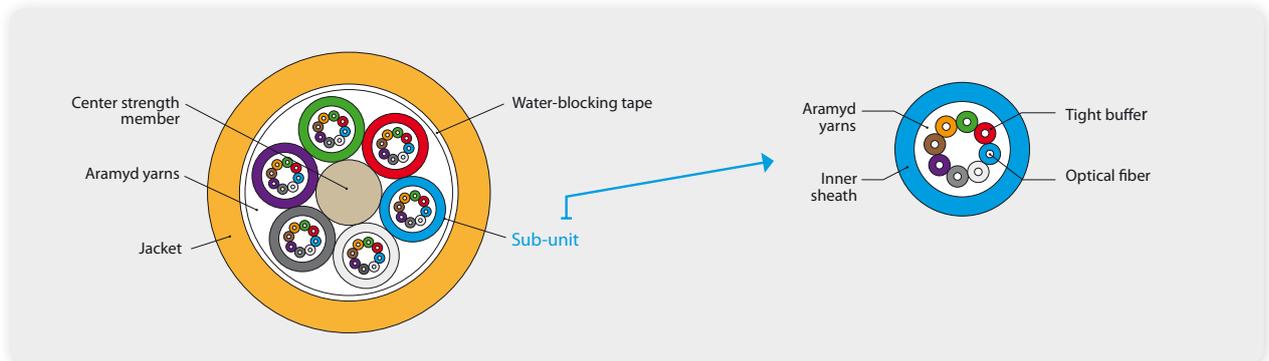
# FIBER OPTICS DISTRIBUTION

## ✓ F.O. Cables

■ Cables of 2, 24 or 48 single-mode fibers, of low sensitivity to bending and meeting the standard ITU-T G.657-A2.

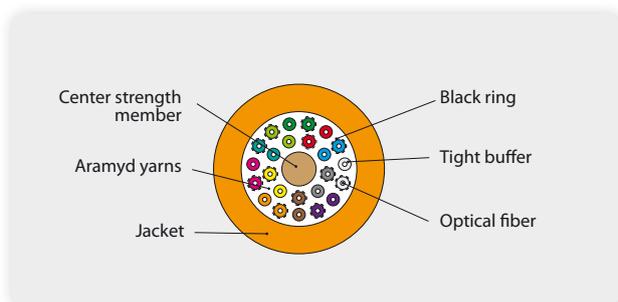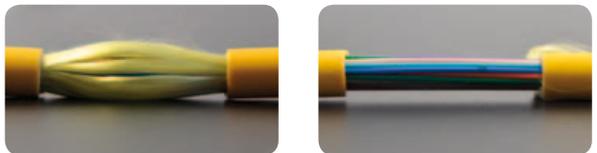| REF | DESCRIPTION | CODE EAN 13 |
|---|---|---|
| 231701 | 48 single-mode fibers, LSFH. Delivery form: 800 m | 8424450153284 |
| 231702 | 48 single-mode fibers, LSFH. Delivery form: in bulk by meters. | 8424450153291 |



▲ 231701/231702



Center strength member · Water-blocking tape · Aramyd yarns · Jacket · Sub-unit · Aramyd yarns · Inner sheath · Tight buffer · Optical fiber

▲ 231701/231702

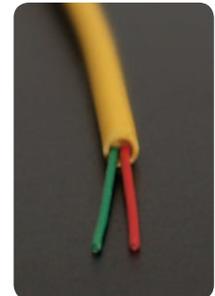| REF | DESCRIPTION | CODE EAN 13 |
|---|---|---|
| 231601 | 24 single-mode fibers, LSFH. Delivery form: 2 Km | 8424450153253 |
| 231603 | 24 single-mode fibers, LSFH. Delivery form: in bulk by meters. | 8424450153277 |





Center strength member · Black ring · Aramyd yarns · Tight buffer · Jacket · Optical fiber

▲ 231601/ 231603

▲ 231601/231603

Televes®

# FIBER OPTICS DISTRIBUTION

## ✓ F.O. Cables

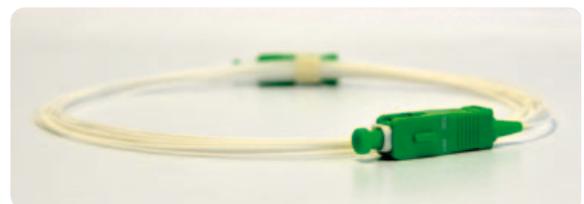| REF | DESCRIPTION | CODE EAN 13 |
|---|---|---|
| 231901 | 2 indoor singlemode fibers, LSFH. Delivery form: 300 m. | 8424450153307 |
| 232001 | 2 outdoor singlemode fibers, LSFH. Delivery form: 200m. | 8424450153314 |


▲ 231901

Aramyd yarns — Tight buffer
Jacket — Optical fiber

Aramyd yarns — Tight buffer
Jacket — Optical fiber
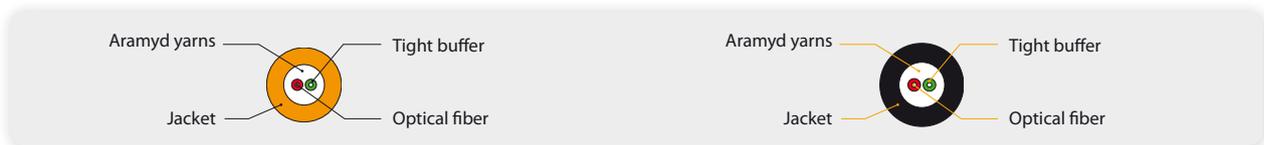
▲ 231901        ▲ 232001

| Reference | | 231701 | 231702 | 231601 | 231603 | 231901 | 232001 |
|---|---|---|---|---|---|---|---|
| No. of fibers | | 48 | | 24 | | 2 | |
| Flber type | | 9/125 (G657A2) | | | | | |
| Attenuation | dB/Km | ≤ 0.4 (1310 nm); ≤ 0,3 (1550 nm) | | | | | |
| Fibre's tight buffer | material | LSZH & flame retardant | | | | | |
| | Ø (mm) | 0,9 ± 0,05 | | | | | |
| Cable jacket | material | LSZH & flame retardant | | | | | |
| | Ø (mm) | 15,0 ± 0.2 | | 8,0 ± 0.2 | | 3,5 ± 0.2 | 4,8 ± 0.2 |
| | color | orange | | | | | negro |
| Bending radius | | 10 x Ø | | | | 5 x Ø | 10 x Ø |
| Short tension | N | 1320 | | | | 500 | 1200 |
| Short crash | N/100 mm | 1000 | | | | 500 | 1000 |
| Oper. temperature | ºC | -20...+70 | | | | | |
| Delivery form | | 800 m | in bulk by meters | 2 Km | in bulk by meters | 300 m | 200 m |

## ✓ Accessories

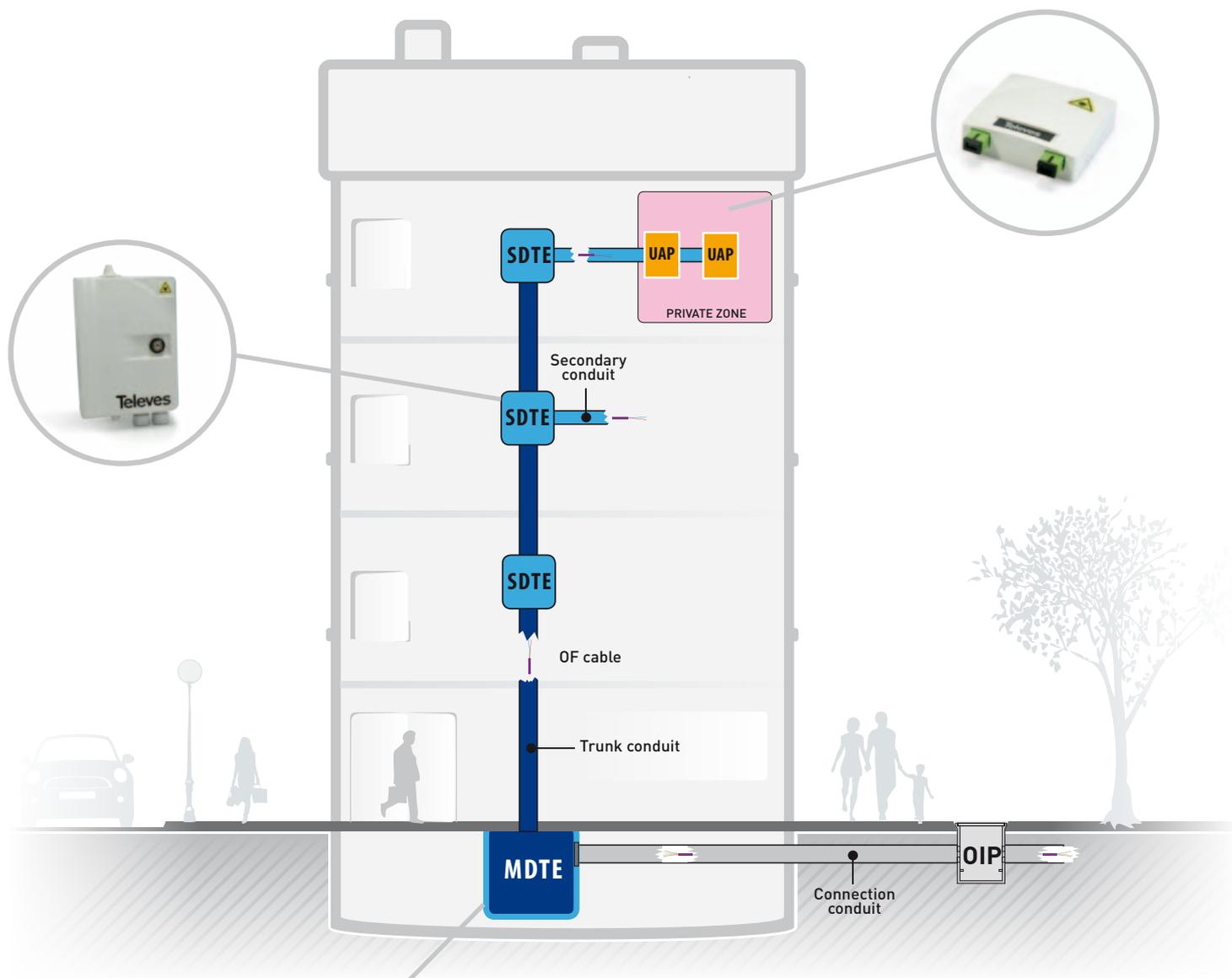| REF | DESCRIPTION | CODE EAN 13 |
|---|---|---|
| 2327 | Splicing protection sleeve (Splicer ref. 2321) | 8424450142578 |
| 2328 | Mechanical splice (Splicers ref. 2322 & 2341) | 8424450142585 |
| 2329 | SC/APC connectors (with mounting tool) | 8424450142592 |
| 232601 | Single-mode pigtail SC/APC(m)-SC/APC(m) | 8424450153321 |
| 233202 | Adapter SC/APC(f) – SC/APC(f) | 8424450153215 |


▲ 232601


▲ 2327


▲ 2328


▲ 2329


▲ 233202

Televes®

# FIBER OPTICS DISTRIBUTION



SDTE

SDTE

SDTE

UAP   UAP

PRIVATE ZONE

Secondary
conduit

OF cable

Trunk conduit

MDTE

Connection
conduit

OIP

## GENERAL OF SCHEME

| | |
|---|---|
| **UAP** | User access point |
| **MDTE** | Main distribution terminal enclosure |
| **SDTE** | Splitting distribution terminal enclosure |
| **ONT** | Optical network terminal |
| **OIP** | Outdoor inspection pit |

Televes®