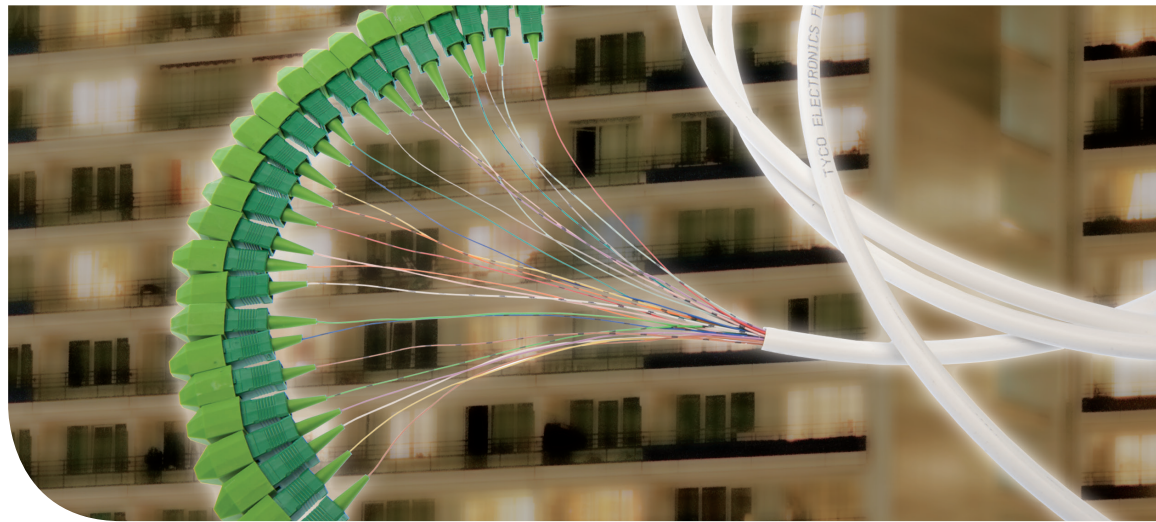


Mini-Breakout & Mini-Bundle Cable

Riser Cabling Solution



TE Connectivity's riser cables are developed for fast installations in MDUs. Their compact design makes them ideal for use in existing building conduits.

Mini-breakout cables

A Mini-Breakout cable consists of 12 or 24 reinforced fibers called PICO-breakouts. PICO-breakouts can be pulled back easily and securely to be connected to the horizontal fiber that links to the living unit of the MDU.

Pre-terminated cables

Mini-breakout cables can be factory pre-terminated with connectors for fast installation in building distributors such as TE'S BUDI-M and BUDI-S products.

PICO-breakouts can also be terminated with a connector. As such, they can be pulled from the premises to the riser to be connected to the riser fiber. In this case, the PICO-breakout serves as the horizontal drop cable.

Mini-bundle cables

Mini-bundle cables have similar features to mini-breakout cables, but with high fiber counts, since each bundle in the cable houses 4 fibers. Mini-bundle cables exist with various numbers of fibers: 12 bundles (48 fibers), 18 bundles (72 fibers) and 24 bundles (96 fibers). Reinforced in the same way as PICO-breakouts, they are referred to as PICO-bundles. The reinforced PICO-bundles are grouped fibers joined with an acrylate coating. This coating can be easily removed in order to access the individual 250 micron fibers.

Features

- Very compact and flexible riser cable construction for fast installation and installation in existing building conduits
- Crush resistance of 1000N
- G.657A1 bend optimized fibers
- Individually reinforced fibers or bundles for secure extraction and pulling with a tensile strength of 300N
- PICO fibers can be pulled through ducts without over tubing the fiber
- Designed for indoor use
- -30/+60°C temperature range
- Individually identifiable PICO-breakout or PICO-bundles
- Connectors terminated to PICO-breakout in a robust way (not for PICO-bundles)
- SC or LC connector types; others on request
- Connector specification according to IEC61755-1 Grade C

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Cable cross section

Mini-breakout



Mini-bundle



Cable diameters

Diameters in mm

12 fiber & 24 fiber mini-breakout cables	8.2 mm
48 fiber mini-bundle cables	8.2 mm
72 fiber mini-bundle cables	9 mm
96 fiber mini-bundle cables	11 mm

Color-coding mini-breakout

Numbers	Fiber color
1 and 13	Blue
2 and 14	Yellow
3 and 15	Red
4 and 16	White
5 and 17	Green
6 and 18	Purple
7 and 19	Orange
8 and 20	Grey
9 and 21	Turquoise
10 and 22	Dark green
11 and 23	Brown
12 and 24	Pink

In case of 24 fibers, black rings over the whole length of a PICO-breakout outer buffer sheath shall be present to distinguish two fibers with the same color.

Color-coding mini-bundle

The color of the individual fibers is:

Numbers	Fiber Color
1	Red
2	Green
3	Yellow
4	Brown

The outer sheath bundle color is:

Numbers	Fiber color
1 - 13	Blue
2 - 14	Yellow
3 - 15	Red
4 - 16	White
5 - 17	Green
6 - 18	Purple
7 - 19	Orange
8 - 20	Grey
9 - 21	Turquoise
10 - 22	Dark green
11 - 23	Brown
12 - 24	Pink

In case of bundles with 72 or 96 fibers, black rings over the whole length of the outer sheath of the bundle will be present to distinguish two bundles with the same color.

Mini-Breakout & Mini-Bundle Cable

Riser Cabling Solution

Ordering information

Mini-breakout cable

OC - CB - MINI - BOXX - A - 500 MOQ = 500 m

Number of fibers

12	12-fiber cable
24	24-fiber cable

Mini-bundle cable

OC - CB - MINI - BUXX - A - 500 MOQ = 500 m

Number of fibers

48	48 fibers (12x4)
72	72 fibers (18x4)
96	96 fibers (24x4)

Note: Cable comes on a plastic drum (500 m). Drum dimensions: 600 mm flange diameter and 250 mm drum width.

Cable assemblies on mini-breakout

MINI - BOXX - P - XX - XXX M MOQ = 1

Number of fibers

12	12 fibers
24	24 fibers

Connector type

L1	LC/UPC
L2	LC/APC 8°
S1	SC/UPC
S2	SC/APC 8°

Length in meters

010	10
020	20
030	30
050	50

Mini-Breakout & Mini-Bundle Cable

Riser Cabling Solution

Accessories

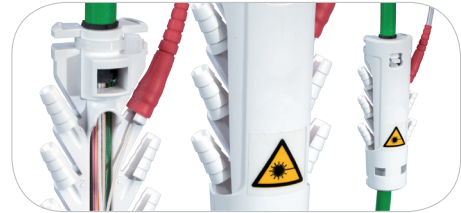
- Cable cutting tool: MINI-BO-TOOL-A-1
- IFDB-S: see specific product data sheet
- YPSO: see below

YPSO

YPSO is a device that allows to tap off individual fibers from TE's mini-breakout cable. It covers the incision in the mini-breakout cable from which fibers are guided through a tube that protects the retracted fiber and leads it up to a splice extension or horizontal duct. A cable diameter of 8.2 mm is recommended (mini-breakout cable 12 and 24 fibers).

Features

- 80 mm x 30 mm diameter for integration into small sized floor boxes
- Capacity to tap off at least 6 fibers (3 left/3 right)
- Mini-breakout cable incision of only 55 mm
- Designed for indoor use
- Flame retardant LSZH material
- Front accessible



Ordering information

YPSO-M-6
MOQ = 30 pcs

Accessories

- Fiber guiding tubing: TUBE-28-1-300
- Tubing fixation booth: YPSO-BOOTH-RED-1-(200)
- Splice extension: SPLX-70-A

Compatible with cables

- OC-CB-MINI-BO12-A-500
- OC-CB-MINI-BO24-A-500

For more technical options and order quantity information, please consult the product ordering guide or your local sales representative.

DATA SHEET



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