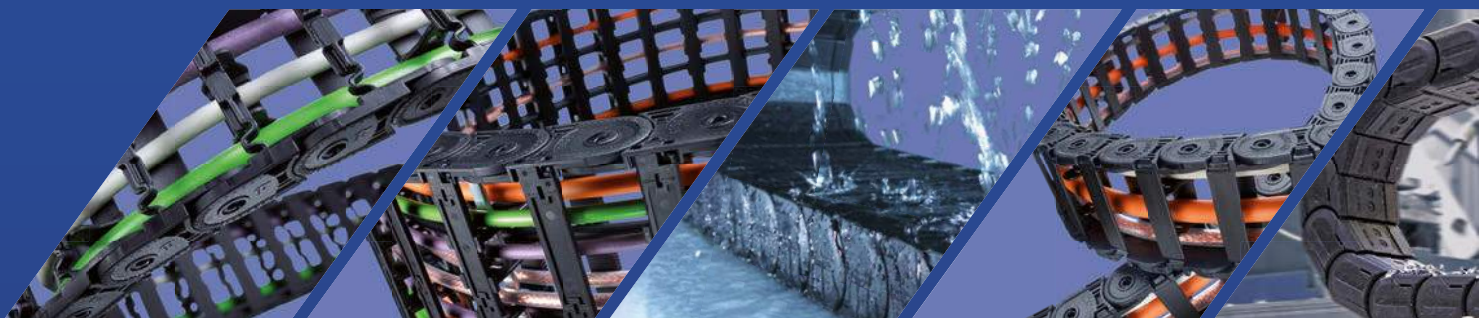


# KABELSCHLEPP

**THE NEXT GENERATION  
FOR YOUR APPLICATIONS**



**QuickTrax**

**EasyTrax**

**UNIFLEX** *Advanced*

**TKA series**



# THE NEXT GENERATION FOR YOUR APPLICATIONS

Motion is what drives us. For more than 60 years, we have been developing products that not only react to the ever growing demands of the industry but actually make many further developments in production processes possible through targeted innovations. Our technological improvements optimize complex processes in classic segments such as machine tools, crane systems or medical and laboratory technology as well as for industrial robots, deep-sea oil rigs and space travel. Products such as the UNIFLEX cable carrier have proven successful a thousand times over, taking on a leading position with regard to quality and service life.

In response to increased demands, we have continuously expanded our product range and are now able to develop new application options with improved features. We are pleased to present the next generation of our cable carriers. With the UNIFLEX *Advanced* and the options offered by the TKA, Easy-Trax and QuickTrax series, we have once again optimized our standards, enabling us to present a range that is ideal for your applications in terms of performance, quality and the multiple associated options. We are always in motion.

## 60 YEARS OF INNOVATIONS AND THOUSANDS OF SUCCESSFUL APPLICATIONS







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**QuickTrax**

**EasyTrax**

**UNIFLEX Advanced**

**TKA series**



## SAVINGS

Easy handling and fast installation of our products will save you time and money.



## EXCELLENCE

Winner of the IF Product Design Award 2013: the TKA55.



## FAST DELIVERY

All products are available directly ex warehouse. It doesn't get any faster than that.



## ECO LINK

For the active reduction of CO<sub>2</sub> emissions: the Tsubaki environment label.



## COMPATIBLE CONNECTION

Various connection options feasible.



## OPENING VARIANTS

For maximum flexibility: six opening variants for any requirement.



## TIGHT

TKA: no spray water, no dust. No dirt. No chips. Simply tight.



## VARIABLE DIVIDER SYSTEM

Movable and fixable dividers – so everything stays in place.



A NEW GENERATION

# THE NEXT GENERATION QuickTrax



**Inside height**  
20 mm



**Inside widths**  
15 – 65 mm



**Pitch**  
32 mm



**Additional load**  
up to 2 kg/m



**Travel length  
unsupported**  
up to 2 m



**Travel length  
gliding**  
up to 80 m



**Travel speed**  
up to 10 m/s



**Travel acceleration**  
up to 50 m/s<sup>2</sup>



## FEATURES

- Extremely fast and easy cable laying thanks to bracket with film hinge
- Extremely low noise due to integrated noise damping
- Extensive unsupported length
- High torsional rigidity
- Each chain link consists of two different materials:
  - Hard cable carrier body made of glass fiber-reinforced material
  - Bracket with flexible film hinge made of elastic special plastic
- Sturdy chain design
- High fill level possible

| Type   | h <sub>i</sub><br>[mm] | B <sub>i</sub><br>[mm] | t<br>[mm] |
|--------|------------------------|------------------------|-----------|
| QT0320 | 20                     | 15 – 65                | 32        |



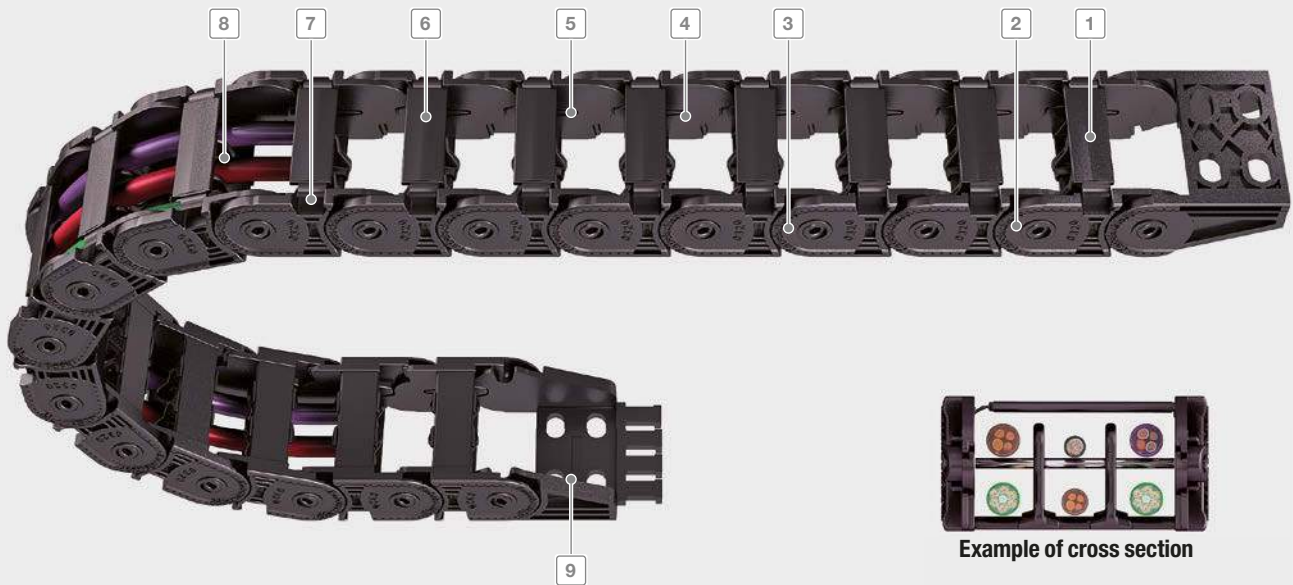
### Ex-protection

For Ex-protection applications, we offer customized solutions made from solid plastic, hybrid or steel cable carriers, which meet the requirements of the standard (with < 10<sup>5</sup> Ω).



### ESD

Our proven ESD cable carriers based on nano-technology with carbon tubes easily meet the requirements of the ESD standard (with < 10<sup>9</sup> Ω) in terms of conductivity and resistance.



- 1 Sturdy two-component design:  
hard glass fiber-reinforced cable carrier body,  
flexible film hinge
- 2 Chain links made of plastic
- 3 Extensive unsupported length
- 4 Inside space is gentle on the cables –  
no interfering edges
- 5 Extremely low noise due to integrated noise  
damping
- 6 Quick and easy to open
- 7 For inward/outward opening
- 8 Dividers and height separations for cable  
separation
- 9 Single-part end connectors with and without  
integrated strain relief

## INTRODUCTION TO THE NEXT GENERATION – IT COULDN'T BE SIMPLER

| Type                                      | h <sub>i</sub><br>[mm] | B <sub>i</sub><br>[mm] |    |    |    |    |    |    |    | t<br>[mm] | KR<br>[mm] |    |    |     |     |     |     |     | Design |     |     |     |     |  |  |  |
|-------------------------------------------|------------------------|------------------------|----|----|----|----|----|----|----|-----------|------------|----|----|-----|-----|-----|-----|-----|--------|-----|-----|-----|-----|--|--|--|
|                                           |                        |                        |    |    |    |    |    |    |    |           |            |    |    |     |     |     | 030 | 035 | 040    | 045 | 050 | 055 | 060 |  |  |  |
| QT0320 <small>The next Generation</small> | 20                     | 15                     |    | 25 | 38 | 50 | 65 |    | 32 | 28        | 38         | 48 | 75 | 100 | 125 |     | ■   | ■   | ■      | ■   |     |     |     |  |  |  |
| UNIFLEX 0250                              | 17.5                   |                        | 20 |    | 30 | 40 | 50 | 65 | 80 | 25        | 28         | 38 | 45 | 60  | 75  | 100 |     | ■   | ■      |     |     |     |     |  |  |  |
| UNIFLEX 0345                              | 20                     | 15                     | 20 | 25 | 38 | 50 | 65 | 90 |    | 34.5      |            | 38 | 50 | 75  | 100 | 125 | 150 | ■   | ■      | ■   | ■   | ■   | ■   |  |  |  |

### Designs

030 = Outward hinged-opening and detachable brackets  
 035 = Outward hinged-opening and lockable brackets  
 040 = Inward hinged-opening and detachable brackets  
 045 = Inward hinged-opening and lockable brackets

050 = Covered on one side with internally detachable bracket  
 055 = Covered on one side with internally lockable bracket  
 060 = Covered on both sides with internally detachable cover

## THE TWO-COMPONENT TECHNOLOGY OF THE QT0320

The two-component technology of the QT0320 combines two seemingly incompatible features: stability and flexibility. Cable carriers need to be extremely sturdy, with extensive unsupported length. At the same time, cables need to be inserted easily for fast cable laying. The QT0320 meets these

requirements thanks to its innovative design and material combination of a hard cable carrier body made from glass fiber-reinforced material and brackets with a film hinge made from rigid special plastic.





A NEW GENERATION

# THE NEXT GENERATION EasyTrax



**Inside height**  
18 mm



**Inside widths**  
15 – 65 mm



**Pitch**  
32 mm



**Additional load**  
up to 2 kg/m



**Travel length unsupported**  
up to 2 m



**Travel length gliding**  
up to 80 m



**Travel speed**  
up to 10 m/s



**Travel acceleration**  
up to 50 m/s<sup>2</sup>



## FEATURES

- Extremely fast cable laying thanks to easy cable insertion
- Very high fill level due to the bracket pivoting to the side – bracket does not pivot into the cable space
- Each chain link consists of two different materials:
  - Hard cable carrier body made of glass fiber-reinforced material
  - Bracket with flexible film hinge made of elastic special plastic
- Sturdy chain design
- High torsional rigidity
- Extensive unsupported length
- Extremely low noise due to integrated noise damping

| Type   | h <sub>i</sub><br>[mm] | B <sub>i</sub><br>[mm] | t<br>[mm] |
|--------|------------------------|------------------------|-----------|
| ET0320 | 18                     | 15 – 65                | 32        |



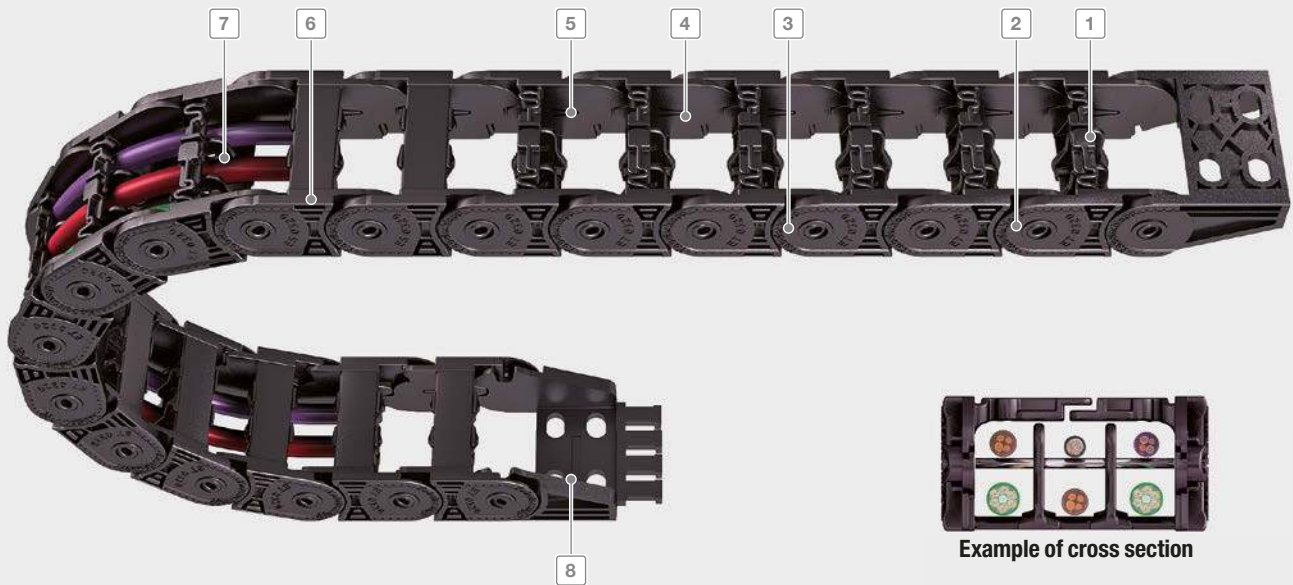
### Ex-protection

For Ex-protection applications, we offer customized solutions made from solid plastic, hybrid or steel cable carriers, which meet the requirements of the standard (with < 10<sup>5</sup> Ω).



### ESD

Our proven ESD cable carriers based on nano-technology with carbon tubes easily meet the requirements of the ESD standard (with < 10<sup>9</sup> Ω) in terms of conductivity and resistance.



- 1 Sturdy two-component design:  
hard glass fiber-reinforced cable carrier body,  
flexible film hinge
- 2 Chain links made of plastic
- 3 Extensive unsupported length
- 4 Inside space is gentle on the cables –  
no interfering edges
- 5 Extremely low noise due to integrated noise  
damping
- 6 For inward/outward opening
- 7 Dividers and height separations for cable  
separation
- 8 Single-part end connectors with and without  
integrated strain relief

## INTRODUCTION TO THE NEXT GENERATION – IT COULDN'T BE SIMPLER

| Type                                  | h <sub>i</sub><br>[mm] | B <sub>i</sub><br>[mm] |    |    |    |    |    |    |    | t<br>[mm] | KR<br>[mm] |    |    |    |    |     |     |     | Design |     |   |   |
|---------------------------------------|------------------------|------------------------|----|----|----|----|----|----|----|-----------|------------|----|----|----|----|-----|-----|-----|--------|-----|---|---|
|                                       |                        | 15                     |    | 25 |    | 38 | 50 | 65 |    |           | 28         | 38 | 48 |    | 75 | 100 | 125 | 030 | 035    | 040 |   |   |
| ET0320 <div>The next Generation</div> | 18                     |                        | 15 |    | 25 |    | 38 | 50 | 65 |           | 32         |    | 28 | 38 | 48 |     | 75  | 100 | 125    | ■   |   | ■ |
| UNIFLEX 0250                          | 17.5                   |                        |    | 20 |    | 30 | 40 | 50 | 65 | 80        | 25         |    | 28 | 38 | 45 | 60  | 75  | 100 |        | ■   | ■ |   |

### Designs

030 = Outward hinged-opening and detachable brackets

035 = Outward hinged-opening and lockable brackets

040 = Inward hinged-opening and detachable brackets

## THE TWO-COMPONENT TECHNOLOGY OF THE ET0320

The two-component technology of the ET0320 combines two seemingly incompatible features: stability and flexibility. Cable carriers need to be extremely sturdy, with extensive unsupported length. At the same time, cables need to be inserted easily for fast cable laying. The ET0320 meets these

requirements thanks to its innovative design and material combination of a hard cable carrier body made from glass fiber-reinforced material and brackets with a film hinge made from rigid special plastic.



# THE NEXT GENERATION UNIFLEX *Advanced*



**Inside heights**  
20 – 44 mm



**Inside widths**  
15 – 250 mm



**Pitch**  
32 – 66.5 mm



**Additional load**  
up to 10 kg/m



**Travel length unsupported**  
up to 3.6 m



**Travel length gliding**  
up to 150 m



**Travel speed**  
up to 10 m/s



**Travel acceleration**  
up to 50 m/s<sup>2</sup>



## FEATURES

- Universal connection options
- Extensive unsupported lengths
- High torsional rigidity
- Good ratio of inner to outer width
- Low noise emissions
- Numerous custom material types for custom applications available
- Easy assembly
- Fast cable laying
- Assembly tools available
- Stays with ball joint, opening on both sides
- Strain relief integrated into the end connector
- Fixable dividers
- Many possibilities for internal subdivision
- Optionally with C-rail integrated in the connector
- Wear surfaces for gliding applications involving long travel lengths

| Type   | h <sub>i</sub><br>[mm] | B <sub>i</sub><br>[mm] | t<br>[mm] |
|--------|------------------------|------------------------|-----------|
| UA1320 | 20                     | 15 – 65                | 32        |
| UA1455 | 26                     | 25 – 103               | 45.5      |
| UA1555 | 38                     | 50 – 200               | 55.5      |
| UA1665 | 44                     | 50 – 250               | 66.5      |



### Ex-protection

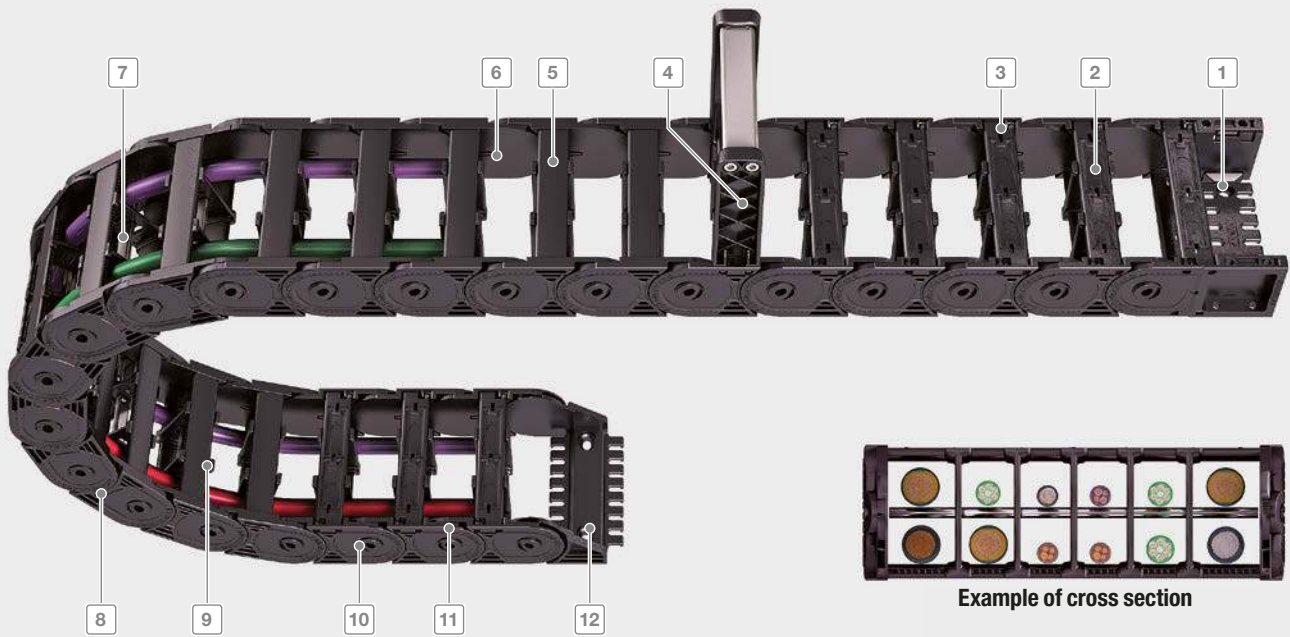
For Ex-protection applications, we offer customized solutions made from solid plastic, hybrid or steel cable carriers, which meet the requirements of the standard (with < 10<sup>5</sup> Ω).



### ESD

Our proven ESD cable carriers based on nano-technology with carbon tubes easily meet the requirements of the ESD standard (with < 10<sup>9</sup> Ω) in terms of conductivity and resistance.





- 1 Universal Mounting Bracket (UMB) with integratable strain relief comb
- 2 Designs with inward or outward opening brackets
- 3 Extremely fast and easy to open due to ball joint mechanism
- 4 Construction frame stay
- 5 Single-part links (design 020)
- 6 Favorable ratio of inner to outer width
- 7 Many separation options for the cables
- 8 Robust, double stroke system for long unsupported lengths
- 9 Easy divider fixing
- 10 Extremely low noise due to internal noise damping
- 11 Lateral wear surfaces
- 12 Single-part end connectors with integratable strain relief comb

## INTRODUCTION TO THE NEXT GENERATION – IT COULDN'T BE SIMPLER

| Type                                      | h <sub>i</sub><br>[mm] | B <sub>i</sub><br>[mm] |    |                 |     |     |                  |     |     | t<br>[mm] | KR<br>[mm] |    |     |     |     |     |                  |                  | Design |     |                |                |                |                |                |                |  |
|-------------------------------------------|------------------------|------------------------|----|-----------------|-----|-----|------------------|-----|-----|-----------|------------|----|-----|-----|-----|-----|------------------|------------------|--------|-----|----------------|----------------|----------------|----------------|----------------|----------------|--|
|                                           |                        |                        |    |                 |     |     |                  |     |     |           |            |    |     |     |     |     |                  |                  | 020    | 030 | 035            | 040            | 045            | 050            | 055            | 060            |  |
| UNIFLEX 0250 <sup>1</sup>                 | 17,5                   |                        | 20 | 30              | 40  | 50  | 65               | 80  |     | 25        | 28         | 38 | 45  | 60  | 75  | 100 |                  |                  | ■      | ■   |                |                |                |                |                |                |  |
| UA1320 <small>The next Generation</small> | 20                     | 15                     |    | 25              | 38  | 50  | 65               |     |     | 32        | 28         | 38 | 48  | 75  | 100 | 125 |                  | ■                |        |     |                |                |                |                |                |                |  |
| UNIFLEX 0345                              | 20                     | 15                     | 20 | 25              | 38  | 50  | 65               | 90  |     | 34,5      |            | 38 | 50  | 75  | 100 | 125 | 150              |                  | ■      | ■   | ■              | ■              | ■ <sup>2</sup> | ■ <sup>2</sup> | ■ <sup>2</sup> |                |  |
| UA1455 <small>The next Generation</small> | 26                     | 25                     | 38 | 58              | 78  | 103 | 130 <sup>6</sup> |     |     | 45,5      | 52         | 65 | 95  | 125 | 150 | 180 | 200              | 225 <sup>5</sup> | ■      | ■   | ■ <sup>7</sup> | ■              | ■ <sup>7</sup> |                |                |                |  |
| UNIFLEX 0455                              | 26                     | 25                     | 38 | 58              | 78  | 103 | 130              |     |     | 45,5      | 52         | 65 | 95  | 125 | 150 | 180 | 200              | 225              |        | ■   | ■              | ■              | ■              | ■              | ■              | ■              |  |
| UA1555 <small>The next Generation</small> | 38                     | 50                     | 75 | 90 <sup>3</sup> | 100 | 125 | 150              |     |     | 55,5      | 63         | 80 | 100 | 125 | 160 | 200 | 230 <sup>5</sup> |                  | ■      | ■   | ■ <sup>7</sup> | ■              | ■ <sup>7</sup> |                |                |                |  |
| UNIFLEX 0555                              | 38                     | 50                     | 75 |                 | 100 | 125 | 150              |     |     | 55,5      | 63         | 80 | 100 | 125 | 160 | 200 | 230              |                  |        | ■   | ■              | ■              | ■              | ■              | ■              | ■              |  |
| UA1665 <small>The next Generation</small> | 44                     | 50                     | 75 | 100             | 125 | 50  | 175              | 200 | 225 | 250       | 66,5       | 75 | 100 | 120 | 140 | 200 | 250              | 300              |        | ■   | ■              | ■ <sup>7</sup> | ■              | ■ <sup>7</sup> |                |                |  |
| UNIFLEX 0665                              | 44                     | 50                     | 75 | 100             | 125 | 150 | 175              | 200 | 225 | 250       | 66,5       | 75 | 100 | 120 | 140 | 200 | 250              | 300              |        |     | ■              | ■              | ■              | ■              | ■              | ■ <sup>4</sup> |  |

<sup>1</sup> Still available

<sup>2</sup> Except B<sub>i</sub> 90

<sup>3</sup> Only as version 030

<sup>4</sup> Up to B<sub>i</sub> 175

<sup>5</sup> B<sub>i</sub> 50 on request

<sup>6</sup> As UNIFLEX 0455 still available in B<sub>i</sub> 130

<sup>7</sup> The pull-out forces of the UNIFLEX Advanced design 030/040 correspond to the UNIFLEX designs 035/045

### Designs

020 = Closed frame

030 = Outward hinged-opening and detachable brackets

035 = Outward hinged-opening and lockable brackets

040 = Inward hinged-opening and detachable brackets

045 = Inward hinged-opening and lockable brackets

050 = Covered on one side with internally detachable bracket

055 = Covered on one side with internally lockable bracket

060 = Covered on both sides with internally detachable cover



A NEW GENERATION

# THE NEXT GENERATION TKA series



**Inside heights**  
20.5 – 45 mm



**Inside widths**  
15 – 250 mm



**Pitch**  
30.5 – 55.5 mm



**Additional load**  
up to 10 kg/m



**Travel length unsupported**  
up to 6 m



**Travel length gliding**  
up to 150 m



**Travel speed**  
up to 9 m/s



**Travel acceleration**  
up to 45 m/s<sup>2</sup>



## FEATURES

- Excellent cable protection in the connector area
- Chipping and dirt-resistant due to smooth surfaces
- Extensive unsupported length
- High torsional rigidity
- Good ratio of inner to outer width
- Low noise emissions
- Optional: on request, special material with protection against hot chips up to 850 °C
- Numerous custom material types for custom applications available
- Easy assembly
- Fast cable laying
- TKA55: IP54 tested and certified\*
- Easy-to-open cover with simultaneously high retention force on the chain link during operation
- Measurement scale for easy alignment of the dividers
- Strain relief can be completely integrated into the mounting bracket (from TKA38)

| Type  | h <sub>i</sub><br>[mm] | B <sub>i</sub><br>[mm] | t<br>[mm] |
|-------|------------------------|------------------------|-----------|
| TKA30 | 20.5                   | 15 – 65                | 30.5      |
| TKA38 | 26                     | 25 – 130               | 38.5      |
| TKA45 | 36                     | 50 – 150               | 45.5      |
| TKA55 | 45                     | 50 – 250               | 55.5      |



### Ex-protection

For Ex-protection applications, we offer customized solutions made from solid plastic, hybrid or steel cable carriers, which meet the requirements of the standard (with < 10<sup>5</sup> Ω).

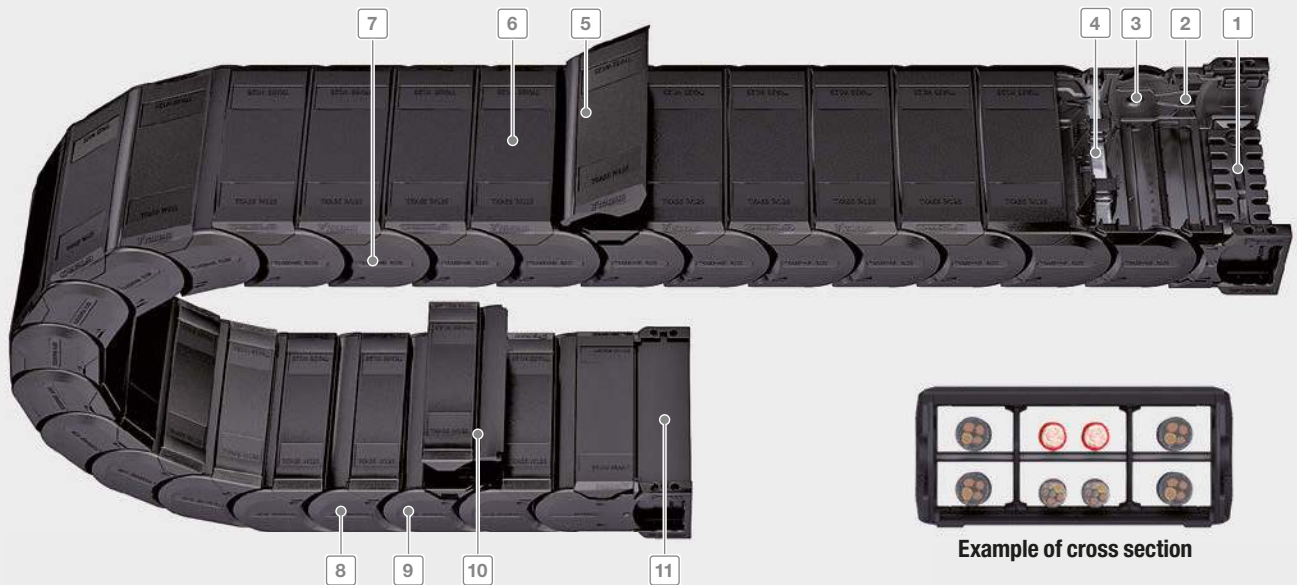


### ESD

Our proven ESD cable carriers based on nano-technology with carbon tubes easily meet the requirements of the ESD standard (with < 10<sup>9</sup> Ω) in terms of conductivity and resistance.

\* Refers to type TKA55 with Bi 50 – 175.

More information about certification can be found at: [kabelschlepp.de/tka-ip54](http://kabelschlepp.de/tka-ip54)



- |                                                            |                                                                                    |                                                |
|------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------|
| 1 End connectors with optional strain relief               | 6 Secure cover attachment even under severe stresses (e.g. due to hydraulic lines) | 10 Cover completely detachable on one side     |
| 2 Interior gentle on the cables with no projecting edges   | 7 Chain links made of glass fiber-reinforced plastic                               | 11 Cover sheet for universal mounting brackets |
| 3 Integrated noise damper                                  | 8 Pin/bore connection and stroke system covered completely                         |                                                |
| 4 Dividers and height separation for separating the cables | 9 Designs with inward or outward opening brackets                                  |                                                |
| 5 Quick and easy opening from any vantage point            |                                                                                    |                                                |

## INTRODUCTION TO THE NEXT GENERATION – IT COULDN'T BE SIMPLER

| Type                                            | h <sub>i</sub><br>[mm] | B <sub>i</sub><br>[mm] |    |     |     |     |     |     |     | t<br>[mm] | KR<br>[mm] |    |     |     |     |     |     |     | Design |     |     |     |              |              |              |              |
|-------------------------------------------------|------------------------|------------------------|----|-----|-----|-----|-----|-----|-----|-----------|------------|----|-----|-----|-----|-----|-----|-----|--------|-----|-----|-----|--------------|--------------|--------------|--------------|
|                                                 |                        | 15                     | 20 | 25  | 38  | 50  | 65  |     |     |           | 38         | 50 | 75  | 100 | 125 | 150 |     |     | 030    | 035 | 040 | 045 | 050          | 055          | 060          | 080          |
| <b>TKA30</b> <small>The Next Generation</small> | 20.5                   | 15                     | 20 | 25  | 38  | 50  | 65  |     |     | 30.5      |            | 55 | 75  | 95  | 125 | 145 | 180 |     |        |     |     |     |              |              |              |              |
| UNIFLEX 0345                                    | 20                     | 15                     | 20 | 25  | 38  | 50  | 65  | 90  |     | 34.5      | 38         | 50 | 75  | 100 | 125 | 150 |     |     |        |     |     |     | <sup>1</sup> | <sup>1</sup> | <sup>1</sup> |              |
| <b>TKA38</b> <small>The Next Generation</small> | 26                     | 25                     | 38 | 58  | 78  | 103 | 130 |     |     | 38.5      |            | 70 | 95  | 120 | 145 | 170 | 195 | 230 |        |     |     |     |              |              |              |              |
| UNIFLEX 0455                                    | 26                     | 25                     | 38 | 58  | 78  | 103 | 130 |     |     | 45.5      | 52         | 65 | 95  | 125 | 150 | 180 | 200 | 225 |        |     |     |     |              |              |              |              |
| <b>TKA45</b> <small>The Next Generation</small> | 36                     | 50                     | 75 | 100 | 125 | 150 |     |     |     | 45.5      |            | 82 | 95  | 125 | 145 | 200 | 230 |     |        |     |     |     |              |              |              |              |
| UNIFLEX 0555                                    | 38                     | 50                     | 75 | 100 | 125 | 150 |     |     |     | 55.5      | 63         | 80 | 100 | 125 | 160 | 200 | 230 |     |        |     |     |     |              |              |              |              |
| <b>TKA55</b> <small>The Next Generation</small> | 45                     | 50                     | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250       | 55.5       |    | 100 | 120 | 140 | 170 | 195 | 225 | 250    | 300 |     |     |              |              |              |              |
| UNIFLEX 0665                                    | 44                     | 50                     | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250       | 66.5       | 75 | 100 | 120 | 140 |     | 200 | 250 | 300    |     |     |     |              |              |              | <sup>2</sup> |

<sup>1</sup> Except width 90

<sup>2</sup> Up to B<sub>i</sub> 175

### Designs

030 = Outward hinged-opening and detachable brackets

035 = Outward hinged-opening and lockable brackets

040 = Inward hinged-opening and detachable brackets

045 = Inward hinged-opening and lockable brackets

050 = Covered on one side with internally detachable bracket

055 = Covered on one side with internally lockable bracket

060 = Covered on both sides with internally detachable cover

080 = Covered on both sides with externally detachable cover





# CHOOSE ...

... the best possible cable carrier for your requirements. Use the table below to easily decide which cable carrier from the new generation is right for you.

## INTRODUCTION TO THE NEXT GENERATION – IT COULDN'T BE SIMPLER

| Type                                      | $h_i$<br>[mm] | $B_i$<br>[mm] |    |    |    |    |    |    |                 |     |                  |     |     |     |     |     |  | $t$<br>[mm] |
|-------------------------------------------|---------------|---------------|----|----|----|----|----|----|-----------------|-----|------------------|-----|-----|-----|-----|-----|--|-------------|
| <b>UNIFLEX 0250<sup>1</sup></b>           | 17.5          |               | 20 | 30 | 40 | 50 | 65 | 80 |                 |     |                  |     |     |     |     |     |  | 25          |
| ET0320 <small>The next Generation</small> | 18            | 15            |    | 25 | 38 | 50 | 65 |    |                 |     |                  |     |     |     |     |     |  | 32          |
| QT0320 <small>The next Generation</small> | 20            | 15            |    | 25 | 38 | 50 | 65 |    |                 |     |                  |     |     |     |     |     |  | 32          |
| <b>UNIFLEX 0345</b>                       | 20            | 15            | 20 | 25 | 38 | 50 | 65 |    | 90              |     |                  |     |     |     |     |     |  | 34.5        |
| TKA30 <small>The next Generation</small>  | 20.5          | 15            | 20 | 25 | 38 | 50 | 65 |    |                 |     |                  |     |     |     |     |     |  | 30.5        |
| UA1320 <small>The next Generation</small> | 20            | 15            |    | 25 | 38 | 50 | 65 |    |                 |     |                  |     |     |     |     |     |  | 32          |
| QT0320 <small>The next Generation</small> | 20            | 15            |    | 25 | 38 | 50 | 65 |    |                 |     |                  |     |     |     |     |     |  | 32          |
| <b>UNIFLEX 0455</b>                       | 26            |               |    | 25 | 38 |    | 58 | 78 |                 | 103 | 130              |     |     |     |     |     |  | 45.5        |
| TKA38 <small>The next Generation</small>  | 26            |               |    | 25 | 38 |    | 58 | 78 |                 | 103 | 130              |     |     |     |     |     |  | 38.5        |
| UA1455 <small>The next Generation</small> | 26            |               |    | 25 | 38 |    | 58 | 78 |                 | 103 | 130 <sup>5</sup> |     |     |     |     |     |  | 45.5        |
| <b>UNIFLEX 0555</b>                       | 38            |               |    |    |    | 50 |    | 75 |                 | 100 | 125              | 150 |     |     |     |     |  | 55.5        |
| TKA45 <small>The next Generation</small>  | 36            |               |    |    |    | 50 |    | 75 |                 | 100 | 125              | 150 |     |     |     |     |  | 45.5        |
| UA1555 <small>The next Generation</small> | 38            |               |    |    |    | 50 |    | 75 | 90 <sup>6</sup> | 100 | 125              | 150 |     |     |     |     |  | 55.5        |
| <b>UNIFLEX 0665</b>                       | 44            |               |    |    |    | 50 |    | 75 |                 | 100 | 125              | 150 | 175 | 200 | 225 | 250 |  | 66.5        |
| TKA55 <small>The next Generation</small>  | 45            |               |    |    |    | 50 |    | 75 |                 | 100 | 125              | 150 | 175 | 200 | 225 | 250 |  | 55.5        |
| UA1665 <small>The next Generation</small> | 44            |               |    |    |    | 50 |    | 75 |                 | 100 | 125              | 150 | 175 | 200 | 225 | 250 |  | 66.5        |

<sup>1</sup> Still available

<sup>2</sup> The pull-out forces of the UNIFLEX Advanced design 030/040 correspond to the UNIFLEX designs 035/045

<sup>3</sup> On request

<sup>4</sup> Except  $B_i$  90

<sup>5</sup> As UNIFLEX 0455 still available in  $B_i$  130

<sup>6</sup> Only as version 030

<sup>7</sup>  $B_i$  50 on request

<sup>8</sup> Up to  $B_i$  175

|  | KR<br>[mm] |    |    |    |    |     |     |     |     |     |                  |     | Design |     |                |                |                |                |                |                |     |
|--|------------|----|----|----|----|-----|-----|-----|-----|-----|------------------|-----|--------|-----|----------------|----------------|----------------|----------------|----------------|----------------|-----|
|  |            |    |    |    |    |     |     |     |     |     |                  |     | 020    | 030 | 035            | 040            | 045            | 050            | 055            | 060            | 080 |
|  | 28         | 38 | 45 | 60 | 75 | 100 |     |     |     |     |                  |     |        | ■   | ■              |                |                |                |                |                |     |
|  | 28         | 38 | 48 |    | 75 | 100 | 125 |     |     |     |                  |     |        | ■   |                | ■              |                |                |                |                |     |
|  | 28         | 38 | 48 |    | 75 | 100 | 125 |     |     |     |                  |     |        | ■   | ■ <sup>2</sup> | ■              | ■ <sup>2</sup> |                |                |                |     |
|  |            | 38 | 50 |    | 75 | 100 | 125 | 150 |     |     |                  |     |        | ■   | ■              | ■              | ■              | ■ <sup>4</sup> | ■ <sup>4</sup> | ■ <sup>4</sup> |     |
|  |            |    |    | 55 | 75 | 95  | 125 | 145 | 180 |     |                  |     |        |     |                |                |                |                |                | ■              | ■   |
|  | 28         | 38 | 48 |    | 75 | 100 | 125 |     |     |     |                  |     | ■      |     |                |                |                |                |                |                |     |
|  | 28         | 38 | 48 |    | 75 | 100 | 125 |     |     |     |                  |     |        | ■   | ■ <sup>2</sup> | ■              | ■ <sup>2</sup> |                |                |                |     |
|  |            |    |    | 52 | 65 | 95  | 125 | 150 | 180 | 200 | 225              |     |        | ■   | ■              | ■              | ■              | ■              | ■              | ■              |     |
|  |            |    |    |    | 70 | 95  | 120 | 145 | 170 | 195 | 230              |     |        |     |                |                |                |                |                | ■              | ■   |
|  |            |    |    | 52 | 65 | 95  | 125 | 150 | 180 | 200 | 225 <sup>3</sup> |     | ■      | ■   | ■ <sup>2</sup> | ■              | ■ <sup>2</sup> |                |                |                |     |
|  |            |    |    | 63 | 80 | 100 | 125 | 160 |     | 200 | 230              |     |        | ■   | ■              | ■              | ■              | ■              | ■              | ■              |     |
|  |            |    |    |    | 82 | 95  | 125 | 145 |     | 200 | 230              |     |        |     |                |                |                |                |                | ■              | ■   |
|  |            |    |    | 63 | 80 | 100 | 125 | 160 |     | 200 | 230 <sup>7</sup> |     | ■      | ■   | ■ <sup>2</sup> | ■              | ■ <sup>2</sup> |                |                |                |     |
|  |            |    |    |    | 75 | 100 | 120 | 140 |     | 200 |                  | 250 | 300    | ■   | ■              | ■              | ■              | ■              | ■              | ■ <sup>8</sup> |     |
|  |            |    |    |    |    | 100 | 120 | 140 | 170 | 195 | 225              | 250 | 300    |     |                |                |                |                |                | ■              | ■   |
|  |            |    |    |    | 75 | 100 | 120 | 140 |     | 200 |                  | 250 | 300    | ■   | ■              | ■ <sup>2</sup> | ■              | ■ <sup>2</sup> |                |                |     |

### Designs

020 = Closed frame

030 = Outward hinged-opening and detachable brackets

035 = Outward hinged-opening and lockable brackets

040 = Inward hinged-opening and detachable brackets

045 = Inward hinged-opening and lockable brackets

050 = Covered on one side with internally detachable bracket

055 = Covered on one side with internally lockable bracket

060 = Covered on both sides with internally detachable cover

080 = Covered on both sides with externally detachable cover

# TRAXLINE CABLES FOR CABLE CARRIERS

TSUBAKI KABELSCHLEPP cables were developed specifically for use in cable carriers. The reliable, durable yet inexpensive cables can even be used outdoors under adverse environmental conditions, e.g. in port crane systems which impose stringent demands on motor and control cables due to long travel lengths and high travel speeds.



## PVC CONTROL CABLES

Cost-effective control cables for standard applications

|                         |                                        |
|-------------------------|----------------------------------------|
| Temperature:            | - 5 to + 80 °C                         |
| Minimum bending radius: | $KR_{min} \geq 7.5 \times \varnothing$ |
| $v_{max}$ unsupported:  | 3.5 – 10 m/s                           |
| $a_{max}$ :             | 10 – 20 m/s <sup>2</sup>               |
| Cross section:          | 0.5 <sup>2</sup> to 2.5 <sup>2</sup>   |
| Number of cores:        | 2 – 36                                 |



## PUR CONTROL CABLES

High-quality control cables for the most sophisticated applications

|                         |                                        |
|-------------------------|----------------------------------------|
| Temperature:            | - 35 to + 90 °C                        |
| Minimum bending radius: | $KR_{min} \geq 7.5 \times \varnothing$ |
| $v_{max}$ unsupported:  | 20 m/s                                 |
| $a_{max}$ :             | 50 m/s <sup>2</sup>                    |
| Cross section:          | 0.5 <sup>2</sup> to 2.5 <sup>2</sup>   |
| Number of cores:        | 2 – 36                                 |



## PVC MOTOR CABLES

Robust motor cables for sophisticated applications

|                         |                                        |
|-------------------------|----------------------------------------|
| Temperature:            | - 5 to + 80 °C                         |
| Minimum bending radius: | $KR_{min} \geq 7.5 \times \varnothing$ |
| $v_{max}$ unsupported:  | 5 m/s                                  |
| $a_{max}$ :             | 20 m/s <sup>2</sup>                    |
| Cross section:          | 1.5 <sup>2</sup> to 70 <sup>2</sup>    |
| Number of cores:        | 2 – 25                                 |



## PUR MOTOR CABLES

High-quality, robust motor cables for the most sophisticated applications

|                         |                                        |
|-------------------------|----------------------------------------|
| Temperature:            | - 35 to + 90 °C                        |
| Minimum bending radius: | $KR_{min} \geq 7.5 \times \varnothing$ |
| $v_{max}$ unsupported:  | 20 m/s                                 |
| $a_{max}$ :             | 50 m/s <sup>2</sup>                    |
| Cross section:          | 0.25 <sup>2</sup> to 700 <sup>2</sup>  |
| Number of cores:        | 1 – 49                                 |



## PUR DATA CABLES

Super-flexible, continuous bending and robust cables with an inner jacket

|                         |                                        |
|-------------------------|----------------------------------------|
| Temperature:            | - 35 to + 90 °C                        |
| Minimum bending radius: | $KR_{min} \geq 7.5 \times \varnothing$ |
| $v_{max}$ unsupported:  | 20 m/s                                 |
| $a_{max}$ :             | 50 m/s <sup>2</sup>                    |
| Cross section:          | 0.25 <sup>2</sup> to 1.5               |
| Number of cores:        | 2 – 32                                 |



## PUR BUS/COAXIAL/LWL CABLES

Super-flexible, continuous bending and robust cables

|                         |                          |
|-------------------------|--------------------------|
| Temperature:            | - 30 to + 70 °C          |
| Minimum bending radius: | type-dependent           |
| $v_{max}$ unsupported:  | 3.5 – 4 m/s              |
| $a_{max}$ :             | 10 m/s <sup>2</sup>      |
| Cross section:          | 0.25 <sup>2</sup> to 1.5 |
| Number of cores:        | 1 – 12                   |



## PUR SYSTEM CABLES

High-quality combination cables for sophisticated system applications

|                         |                                        |
|-------------------------|----------------------------------------|
| Temperature:            | - 35 to + 90 °C                        |
| Minimum bending radius: | $KR_{min} \geq 7.5 \times \varnothing$ |
| $v_{max}$ unsupported:  | 6 m/s                                  |
| $a_{max}$ :             | 8 m/s <sup>2</sup>                     |
| Cross section:          | 0.14 <sup>2</sup> to 50 <sup>2</sup>   |
| Number of cores:        | 4 – 16                                 |

## TRAXLINE INFO CENTER

With the aid of the TRAXLINE info center, you can find the right cable for your cable carrier system with just a few clicks of the mouse. Simply enter the parameters for your application at **traxline.de** and find the ideal cable for your requirements.





# TOTALTRAX COMPLETE SYSTEMS

## REDUCE COSTS WITH TOTALTRAX COMPLETE SYSTEMS

Take advantage of our expertise. Our experienced system specialists work closely together with you and support you from the planning and project planning phases all the way up to the installation process. You have just one contact partner for the complete system. All of the components are optimally aligned to one another – cable carriers, electric cables, hydraulic and pneumatic hoses and plug connections. TOTALTRAX means: Complete delivery from a single source – with a guarantee certificate on request. TOTALTRAX will reduce your storage costs for cable carriers, cables and plug connectors. We deliver the complete cable carrier system just-in-time, either directly to your production facilities or to the installation site.

### EVERYTHING FROM A SINGLE SOURCE:

- |                    |                            |                                       |
|--------------------|----------------------------|---------------------------------------|
| ■ Consultancy      | ■ Motor and control cables | ■ Plug connectors                     |
| ■ Planning         | ■ Full guarantee           | ■ Assembly plates                     |
| ■ Project planning | ■ Hydraulic hoses          | ■ Complete assembly of all components |
| ■ Cable carriers   | ■ Pneumatic hoses          |                                       |

### TOTALTRAX – FROM THE PROJECT PLANNING TO THE COMPLETED SYSTEM

- One contact partner
  - + One order
  - + One delivery
  - + Guaranteed quality
- 
- = TOTALTRAX complete system



# KABELSCHLEPP

## CABLE CARRIER SYSTEMS

Cable carriers made of steel and plastic  
QUANTUM cable and hose carrier system  
PROTUM cable and hose carrier system  
ROBOTRAX cable and hose carrier system

## TRAXLINE CABLES FOR MOTION

Continuous bending Hi-flex cables for cable carriers  
TOTALTRAX complete turn-key carrier system  
Pre-assembled cables

## GUIDEWAY PROTECTION SYSTEMS

Telescopic covers  
Link apron covers  
Way wipers  
Conical spring covers  
Bellows  
Protective devices

## CONVEYOR SYSTEMS

Hinged belt conveyors  
Scraper conveyors  
Belt conveyors



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**[kabelschlepp.de](http://kabelschlepp.de)**