

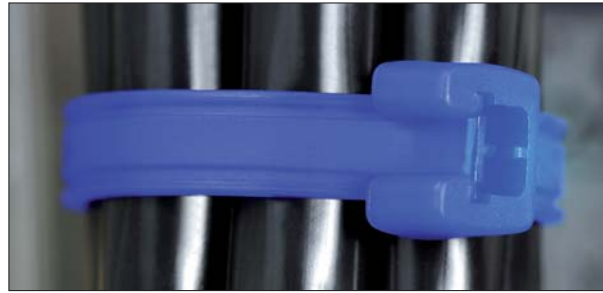


## Q-tie Cable Tie

### Innovative – Effective – Safe!

The new Q-tie has not only an innovative but also a revolutionary design. The open head of the cable tie enables a simple and quick installation. Just insert the ergonomically bent tail into the open side of the head and tighten the cable tie.

With Q-ties you can save time and money!



*The head design makes the difference.*

### Easy application for every situation!

Q-tie is the perfect product solution for applications under difficult working conditions. It is designed for use in applications where working with gloves is necessary or for blind applications with a limited view of the work.

The new Q-tie allows a quick and simple installation even with work gloves and restricted view.

Features for quick and easy application:

- Curved and large ribbed tail
- Open head with easy detectable slot

This saves time and trouble!



*Even under difficult circumstances the Q-ties are very fast and easy to apply.*

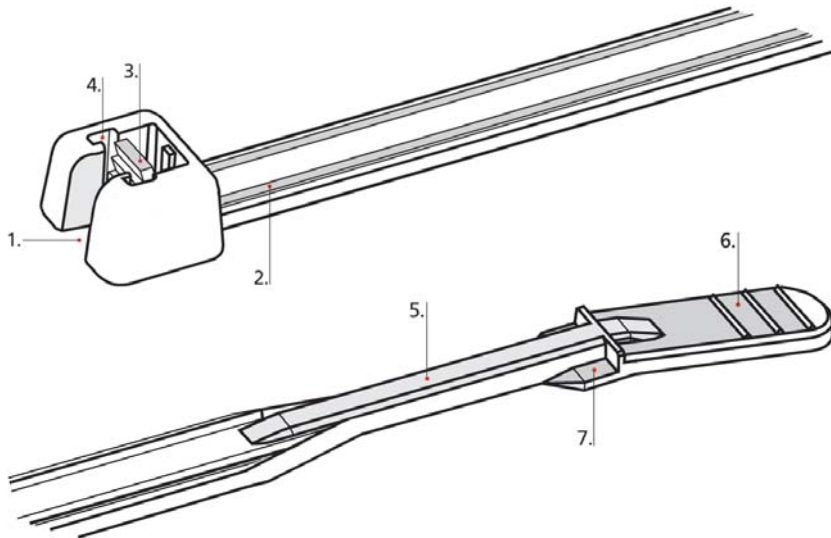
### Integrated Pre-Locking Functionality!

Due to several simultaneous working processes, it is not always possible to install all cables and conduits in one single step. Thus, working with standard cable ties means either destroying the cable tie of the first installation or applying additional cable ties. The integrated pre-locking function of the Q-tie offers the ability of a temporary and final cable fastening solution.

This saves material and time!



*Without additional effort only Q-ties can be used for temporary and final cable bundling.*

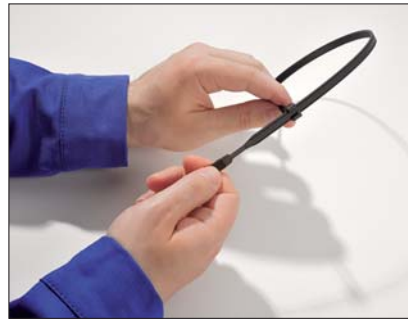


1. Open lock head for quick and easy insertion.
2. Two rails on the strap ensure a perfect guidance for the tracks in the head.
3. The locking device interacts safely with the serration of the cable tie.
4. The tracks prevent a deformation of the head under load.
5. The thin part of the cable tie can be simply placed into the open lock head.
6. The large ribbed tail allows a safe and ergonomic installation.
7. Integrated pre locking feature (starts with type Q30).

### Application Method:



1. Insert the thin part of the cable tie into the open lock head.



2. Pull the tie through the head until the bundle is fixed.
3. Cut off the remaining part of the tie with an application tool.

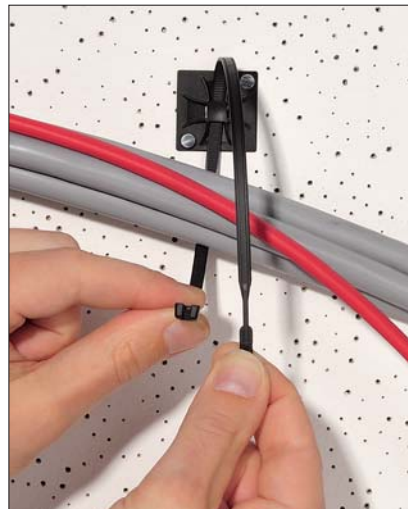


**Please find more Q-Series products for your system solution on page 166 and 508.**

### Pre-locking Function of the Q-tie:



1. Insert tail into lock head and push tail partly in the head.



2. To release the tie push tail end slightly out of head.



3. If installation is finished, Q-tie can be tightened and cut off - either manually or with an application tool.



### Cable ties with open head

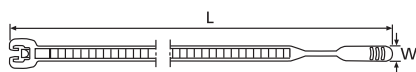
- Q-ties, Polyamide 6.6 (PA66), natural and black

| Application Tool | Registration Numbers |
|------------------|----------------------|
| MK3SP            | 1                    |
| MK3PNSP2, MK7P   | 2                    |
| MK7              | 3                    |
| MK7HT            | 4                    |
| MK20             | 5                    |
| MK6              | 6                    |
| MK9P             | 7                    |
| MK9              | 8                    |
| MK9HT            | 9                    |
| MK21             | 10                   |

For detailed information on Application Tools please refer to page 561.



Q-tie cable ties: choose from a wide product range in different materials.



Q-tie cable tie

| Material Data         |                                                  |
|-----------------------|--------------------------------------------------|
| Material              | Polyamide 6.6 (PA66)                             |
| Colour                | Natural (NA), Black (BK)                         |
| Operating Temperature | -40 °C to +85 °C Continuous, (+105 °C for 500 h) |
| Flammability          | UL94 V2                                          |



Technical Table

| Article-No.          | Type  | Length (L) | Width (W) | Bundle Ø max. | Min. Tensile Strength (N) | Material | Colour       | Application Tool |
|----------------------|-------|------------|-----------|---------------|---------------------------|----------|--------------|------------------|
| Polyamide 6.6 (PA66) |       |            |           |               |                           |          |              |                  |
| 109-00001            | Q18R  | 105        | 2.6       | 24.0          | 80                        | PA66     | Natural (NA) | 1-5              |
| 109-00004            | Q18I  | 155        | 2.6       | 40.0          | 80                        | PA66     | Natural (NA) | 1-5              |
| 109-00007            | Q18L  | 195        | 2.6       | 50.0          | 80                        | PA66     | Natural (NA) | 1-5              |
| 109-00010            | Q30R  | 160        | 3.6       | 38.0          | 130                       | PA66     | Natural (NA) | 1-5              |
| 109-00012            | Q30L  | 200        | 3.6       | 50.0          | 130                       | PA66     | Natural (NA) | 1-5              |
| 109-00014            | Q30LR | 250        | 3.6       | 65.0          | 130                       | PA66     | Natural (NA) | 1-5              |
| 109-00018            | Q50R  | 210        | 4.7       | 50.0          | 220                       | PA66     | Natural (NA) | 1-10             |
| 109-00020            | Q50I  | 290        | 4.7       | 75.0          | 220                       | PA66     | Natural (NA) | 1-10             |
| 109-00022            | Q50L  | 410        | 4.7       | 110.0         | 220                       | PA66     | Natural (NA) | 1-10             |
| 109-00024            | Q120I | 300        | 7.7       | 70.0          | 530                       | PA66     | Natural (NA) | 6-10             |
| 109-00026            | Q120R | 420        | 7.7       | 110.0         | 530                       | PA66     | Natural (NA) | 6-10             |
| 109-00028            | Q120M | 520        | 7.7       | 145.0         | 530                       | PA66     | Natural (NA) | 6-10             |
|                      |       |            |           |               |                           |          |              |                  |
| 109-00030            | Q18R  | 105        | 2.6       | 24.0          | 80                        | PA66     | Black (BK)   | 1-5              |
| 109-00033            | Q18I  | 155        | 2.6       | 40.0          | 80                        | PA66     | Black (BK)   | 1-5              |
| 109-00036            | Q18L  | 195        | 2.6       | 50.0          | 80                        | PA66     | Black (BK)   | 1-5              |
| 109-00039            | Q30R  | 160        | 3.6       | 38.0          | 130                       | PA66     | Black (BK)   | 1-5              |
| 109-00041            | Q30L  | 200        | 3.6       | 50.0          | 130                       | PA66     | Black (BK)   | 1-5              |
| 109-00043            | Q30LR | 250        | 3.6       | 65.0          | 130                       | PA66     | Black (BK)   | 1-5              |
| 109-00047            | Q50R  | 210        | 4.7       | 50.0          | 220                       | PA66     | Black (BK)   | 1-10             |
| 109-00049            | Q50I  | 290        | 4.7       | 75.0          | 220                       | PA66     | Black (BK)   | 1-10             |
| 109-00051            | Q50L  | 410        | 4.7       | 110.0         | 220                       | PA66     | Black (BK)   | 1-10             |
| 109-00053            | Q120I | 300        | 7.7       | 70.0          | 530                       | PA66     | Black (BK)   | 6-10             |
| 109-00055            | Q120R | 420        | 7.7       | 110.0         | 530                       | PA66     | Black (BK)   | 6-10             |
| 109-00057            | Q120M | 520        | 7.7       | 145.0         | 530                       | PA66     | Black (BK)   | 6-10             |

All dimensions in mm. Subject to technical changes.



### Cable ties with open head

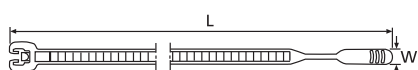
- Q-ties, Polyamide 6.6 UV-resistant (PA66W), black

| Application Tool | Registration Numbers |
|------------------|----------------------|
| MK3SP            | 1                    |
| MK3PNSP2, MK7P   | 2                    |
| MK7              | 3                    |
| MK7HT            | 4                    |
| MK20             | 5                    |
| MK6              | 6                    |
| MK9P             | 7                    |
| MK9              | 8                    |
| MK9HT            | 9                    |
| MK21             | 10                   |

For detailed information on Application Tools please refer to page 561.



Q-tie cable ties: choose from a wide product range in different materials.



Q-tie cable tie

| Material Data         |                                                  |
|-----------------------|--------------------------------------------------|
| Material              | Polyamide 6.6 UV Resistant (PA66W)               |
| Colour                | Black (BK)                                       |
| Operating Temperature | -40 °C to +85 °C Continuous, (+105 °C for 500 h) |
| Flammability          | UL94 V2                                          |



Technical Table

| Article-No.                 | Type  | Length (L) | Width (W) | Bundle Ø max. | Min. Tensile Strength (N) | Material | Colour     | Application Tool |
|-----------------------------|-------|------------|-----------|---------------|---------------------------|----------|------------|------------------|
| Polyamide 6.6 UV Stabilised |       |            |           |               |                           |          |            |                  |
| 109-00059                   | Q18R  | 105        | 2.6       | 24.0          | 80                        | PA66W    | Black (BK) | 1-5              |
| 109-00062                   | Q18I  | 155        | 2.6       | 40.0          | 80                        | PA66W    | Black (BK) | 1-5              |
| 109-00065                   | Q18L  | 195        | 2.6       | 50.0          | 80                        | PA66W    | Black (BK) | 1-5              |
| 109-00068                   | Q30R  | 160        | 3.6       | 38.0          | 130                       | PA66W    | Black (BK) | 1-5              |
| 109-00070                   | Q30L  | 200        | 3.6       | 50.0          | 130                       | PA66W    | Black (BK) | 1-5              |
| 109-00072                   | Q30LR | 250        | 3.6       | 65.0          | 130                       | PA66W    | Black (BK) | 1-5              |
| 109-00076                   | Q50R  | 210        | 4.7       | 50.0          | 220                       | PA66W    | Black (BK) | 1-10             |
| 109-00078                   | Q50I  | 290        | 4.7       | 75.0          | 220                       | PA66W    | Black (BK) | 1-10             |
| 109-00080                   | Q50L  | 410        | 4.7       | 110.0         | 220                       | PA66W    | Black (BK) | 1-10             |
| 109-00082                   | Q120I | 300        | 7.7       | 70.0          | 530                       | PA66W    | Black (BK) | 6-10             |
| 109-00084                   | Q120R | 420        | 7.7       | 110.0         | 530                       | PA66W    | Black (BK) | 6-10             |
| 109-00086                   | Q120M | 520        | 7.7       | 145.0         | 530                       | PA66W    | Black (BK) | 6-10             |

All dimensions in mm. Subject to technical changes.



Please find more Q-Series products for your system solution on page 166 and 508.





### Cable ties with open head

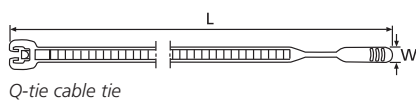
- Q-ties, Polyamide 6.6 heat stabilised (PA66HS), natural and black

| Application Tool | Registration Numbers |
|------------------|----------------------|
| MK3SP            | 1                    |
| MK3PNSP2, MK7P   | 2                    |
| MK7              | 3                    |
| MK7HT            | 4                    |
| MK20             | 5                    |
| MK6              | 6                    |
| MK9P             | 7                    |
| MK9              | 8                    |
| MK9HT            | 9                    |
| MK21             | 10                   |

For detailed information on Application Tools please refer to page 561.



Q-tie cable ties: choose from a wide product range in different materials.



Q-tie cable tie

| Material Data         |                                                   |
|-----------------------|---------------------------------------------------|
| Material              | Polyamide 6.6 Heat Stabilised (PA66HS)            |
| Colour                | Natural (NA), Black (BK)                          |
| Operating Temperature | -40 °C to +105 °C Continuous, (+145 °C for 500 h) |
| Flammability          | UL94 V2                                           |



Technical Table

| Article-No.                   | Type  | Length (L) | Width (W) | Bundle Ø max. | Min. Tensile Strength (N) | Material | Colour       | Application Tool |
|-------------------------------|-------|------------|-----------|---------------|---------------------------|----------|--------------|------------------|
| Polyamide 6.6 Heat Stabilised |       |            |           |               |                           |          |              |                  |
| 109-00088                     | Q18R  | 105        | 2.6       | 24.0          | 80                        | PA66HS   | Black (BK)   | 1-5              |
| 109-00091                     | Q18I  | 155        | 2.6       | 40.0          | 80                        | PA66HS   | Black (BK)   | 1-5              |
| 109-00094                     | Q18L  | 195        | 2.6       | 50.0          | 80                        | PA66HS   | Black (BK)   | 1-5              |
| 109-00097                     | Q30R  | 160        | 3.6       | 38.0          | 130                       | PA66HS   | Black (BK)   | 1-5              |
| 109-00099                     | Q30L  | 200        | 3.6       | 50.0          | 130                       | PA66HS   | Black (BK)   | 1-5              |
| 109-00101                     | Q30LR | 250        | 3.6       | 65.0          | 130                       | PA66HS   | Black (BK)   | 1-5              |
| 109-00105                     | Q50R  | 210        | 4.7       | 50.0          | 220                       | PA66HS   | Black (BK)   | 1-10             |
| 109-00107                     | Q50I  | 290        | 4.7       | 75.0          | 220                       | PA66HS   | Black (BK)   | 1-10             |
| 109-00109                     | Q50L  | 410        | 4.7       | 110.0         | 220                       | PA66HS   | Black (BK)   | 1-10             |
| 109-00111                     | Q120I | 300        | 7.7       | 70.0          | 530                       | PA66HS   | Black (BK)   | 6-10             |
| 109-00113                     | Q120R | 420        | 7.7       | 110.0         | 530                       | PA66HS   | Black (BK)   | 6-10             |
| 109-00115                     | Q120M | 520        | 7.7       | 145.0         | 530                       | PA66HS   | Black (BK)   | 6-10             |
| 109-00117                     | Q18R  | 105        | 2.6       | 24.0          | 80                        | PA66HS   | Natural (NA) | 1-5              |
| 109-00120                     | Q18I  | 155        | 2.6       | 40.0          | 80                        | PA66HS   | Natural (NA) | 1-5              |
| 109-00123                     | Q18L  | 195        | 2.6       | 50.0          | 80                        | PA66HS   | Natural (NA) | 1-5              |
| 109-00126                     | Q30R  | 160        | 3.6       | 38.0          | 130                       | PA66HS   | Natural (NA) | 1-5              |
| 109-00128                     | Q30L  | 200        | 3.6       | 50.0          | 130                       | PA66HS   | Natural (NA) | 1-5              |
| 109-00130                     | Q30LR | 250        | 3.6       | 65.0          | 130                       | PA66HS   | Natural (NA) | 1-5              |
| 109-00134                     | Q50R  | 210        | 4.7       | 50.0          | 220                       | PA66HS   | Natural (NA) | 1-10             |
| 109-00136                     | Q50I  | 290        | 4.7       | 75.0          | 220                       | PA66HS   | Natural (NA) | 1-10             |
| 109-00138                     | Q50L  | 410        | 4.7       | 110.0         | 220                       | PA66HS   | Natural (NA) | 1-10             |
| 109-00140                     | Q120I | 300        | 7.7       | 70.0          | 530                       | PA66HS   | Natural (NA) | 6-10             |
| 109-00142                     | Q120R | 420        | 7.7       | 110.0         | 530                       | PA66HS   | Natural (NA) | 6-10             |
| 109-00144                     | Q120M | 520        | 7.7       | 145.0         | 530                       | PA66HS   | Natural (NA) | 6-10             |

All dimensions in mm. Subject to technical changes.

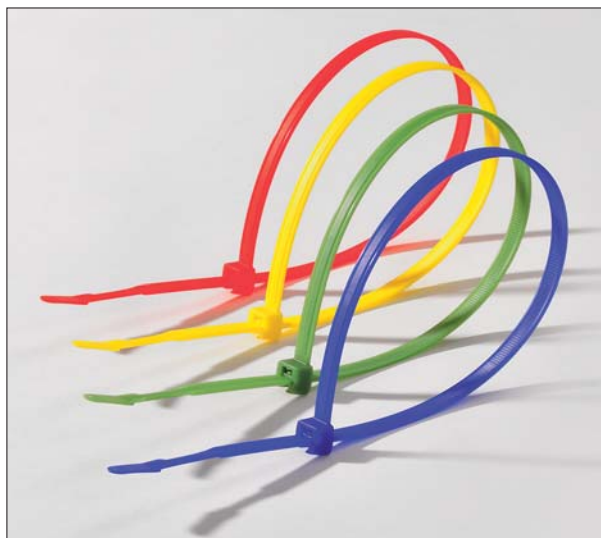


### Cable ties with open head

- Q-ties, Polyamide 6.6 (PA66), coloured

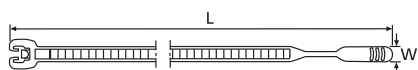
| Application Tool | Registration Numbers |
|------------------|----------------------|
| MK3SP            | 1                    |
| MK3PNSP2, MK7P   | 2                    |
| MK7              | 3                    |
| MK7HT            | 4                    |
| MK20             | 5                    |
| MK6              | 6                    |
| MK9P             | 7                    |
| MK9              | 8                    |
| MK9HT            | 9                    |
| MK21             | 10                   |

For detailed information on Application Tools please refer to page 561.



Q-ties in different colours are ideal for marking and bundling in one step.

Please find more Q-Series products for your system solution on page 166 and 508.



Q-tie cable tie

| Material Data         |                                                          |
|-----------------------|----------------------------------------------------------|
| Material              | Polyamide 6.6 (PA66)                                     |
| Colour                | Brown (BN), Blue (BU), Green (GN), Red (RD), Yellow (YE) |
| Operating Temperature | -40 °C to +85 °C Continuous, (+105 °C for 500 h)         |
| Flammability          | UL94 V2                                                  |



Technical Table

| Article-No.           | Type | Length (L) | Width (W) | Bundle Ø max. | Min. Tensile Strength (N) | Material | Colour      | Application Tool |
|-----------------------|------|------------|-----------|---------------|---------------------------|----------|-------------|------------------|
| Polyamide 6.6 Colours |      |            |           |               |                           |          |             |                  |
| 109-00146             | Q18R | 105        | 2.6       | 24.0          | 80                        | PA66     | Brown (BN)  | 1-5              |
| 109-00147             | Q18R | 105        | 2.6       | 24.0          | 80                        | PA66     | Blue (BU)   | 1-5              |
| 109-00148             | Q18R | 105        | 2.6       | 24.0          | 80                        | PA66     | Green (GN)  | 1-5              |
| 109-00149             | Q18R | 105        | 2.6       | 24.0          | 80                        | PA66     | Red (RD)    | 1-5              |
| 109-00150             | Q18R | 105        | 2.6       | 24.0          | 80                        | PA66     | Yellow (YE) | 1-5              |
| 109-00151             | Q18I | 155        | 2.6       | 40.0          | 80                        | PA66     | Brown (BN)  | 1-5              |
| 109-00152             | Q18I | 155        | 2.6       | 40.0          | 80                        | PA66     | Blue (BU)   | 1-5              |
| 109-00153             | Q18I | 155        | 2.6       | 40.0          | 80                        | PA66     | Green (GN)  | 1-5              |
| 109-00154             | Q18I | 155        | 2.6       | 40.0          | 80                        | PA66     | Red (RD)    | 1-5              |
| 109-00155             | Q18I | 155        | 2.6       | 40.0          | 80                        | PA66     | Yellow (YE) | 1-5              |
| 109-00156             | Q18L | 195        | 2.6       | 50.0          | 80                        | PA66     | Brown (BN)  | 1-5              |
| 109-00157             | Q18L | 195        | 2.6       | 50.0          | 80                        | PA66     | Blue (BU)   | 1-5              |
| 109-00158             | Q18L | 195        | 2.6       | 50.0          | 80                        | PA66     | Green (GN)  | 1-5              |
| 109-00159             | Q18L | 195        | 2.6       | 50.0          | 80                        | PA66     | Red (RD)    | 1-5              |
| 109-00160             | Q18L | 195        | 2.6       | 50.0          | 80                        | PA66     | Yellow (YE) | 1-5              |
| 109-00161             | Q30R | 160        | 3.6       | 38.0          | 130                       | PA66     | Brown (BN)  | 1-5              |
| 109-00162             | Q30R | 160        | 3.6       | 38.0          | 130                       | PA66     | Blue (BU)   | 1-5              |
| 109-00163             | Q30R | 160        | 3.6       | 38.0          | 130                       | PA66     | Green (GN)  | 1-5              |
| 109-00164             | Q30R | 160        | 3.6       | 38.0          | 130                       | PA66     | Red (RD)    | 1-5              |
| 109-00165             | Q30R | 160        | 3.6       | 38.0          | 130                       | PA66     | Yellow (YE) | 1-5              |
| 109-00166             | Q30L | 200        | 3.6       | 50.0          | 130                       | PA66     | Brown (BN)  | 1-5              |
| 109-00167             | Q30L | 200        | 3.6       | 50.0          | 130                       | PA66     | Blue (BU)   | 1-5              |
| 109-00168             | Q30L | 200        | 3.6       | 50.0          | 130                       | PA66     | Green (GN)  | 1-5              |
| 109-00169             | Q30L | 200        | 3.6       | 50.0          | 130                       | PA66     | Red (RD)    | 1-5              |
| 109-00170             | Q30L | 200        | 3.6       | 50.0          | 130                       | PA66     | Yellow (YE) | 1-5              |

All dimensions in mm. Subject to technical changes.

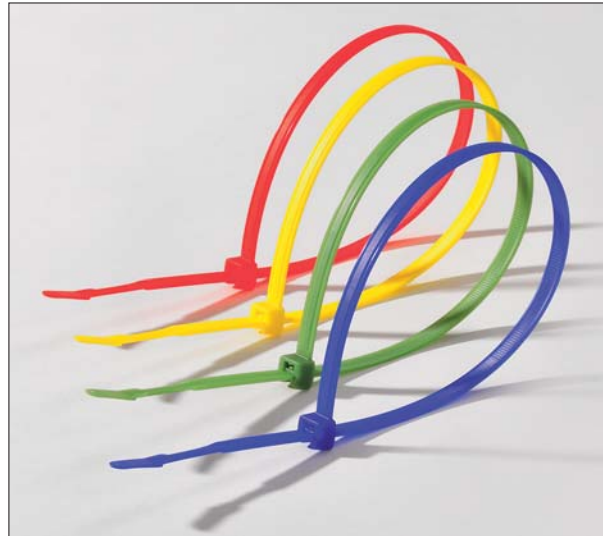


### Cable ties with open head

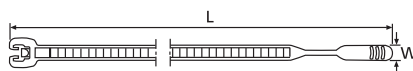
- Q-ties, Polyamide 6.6 (PA66), coloured

| Application Tool | Registration Numbers |
|------------------|----------------------|
| MK3SP            | 1                    |
| MK3PNSP2, MK7P   | 2                    |
| MK7              | 3                    |
| MK7HT            | 4                    |
| MK20             | 5                    |
| MK6              | 6                    |
| MK9P             | 7                    |
| MK9              | 8                    |
| MK9HT            | 9                    |
| MK21             | 10                   |

For detailed information on Application Tools please refer to page 561.



Q-ties in different colours are ideal for marking and bundling in one step.



Q-tie cable tie

| Material Data         |                                                          |
|-----------------------|----------------------------------------------------------|
| Material              | Polyamide 6.6 (PA66)                                     |
| Colour                | Brown (BN), Blue (BU), Green (GN), Red (RD), Yellow (YE) |
| Operating Temperature | -40 °C to +85 °C Continuous, (+105 °C for 500 h)         |
| Flammability          | UL94 V2                                                  |



Technical Table

| Article-No.           | Type  | Length (L) | Width (W) | Bundle Ø max. | Min. Tensile Strength (N) | Material | Colour      | Application Tool |
|-----------------------|-------|------------|-----------|---------------|---------------------------|----------|-------------|------------------|
| Polyamide 6.6 Colours |       |            |           |               |                           |          |             |                  |
| 109-00171             | Q30LR | 250        | 3.6       | 65.0          | 130                       | PA66     | Brown (BN)  | 1-5              |
| 109-00172             | Q30LR | 250        | 3.6       | 65.0          | 130                       | PA66     | Blue (BU)   | 1-5              |
| 109-00173             | Q30LR | 250        | 3.6       | 65.0          | 130                       | PA66     | Green (GN)  | 1-5              |
| 109-00174             | Q30LR | 250        | 3.6       | 65.0          | 130                       | PA66     | Red (RD)    | 1-5              |
| 109-00175             | Q30LR | 250        | 3.6       | 65.0          | 130                       | PA66     | Yellow (YE) | 1-5              |
| 109-00181             | Q50R  | 210        | 4.7       | 50.0          | 220                       | PA66     | Brown (BN)  | 1-10             |
| 109-00182             | Q50R  | 210        | 4.7       | 50.0          | 220                       | PA66     | Blue (BU)   | 1-10             |
| 109-00183             | Q50R  | 210        | 4.7       | 50.0          | 220                       | PA66     | Green (GN)  | 1-10             |
| 109-00184             | Q50R  | 210        | 4.7       | 50.0          | 220                       | PA66     | Red (RD)    | 1-10             |
| 109-00185             | Q50R  | 210        | 4.7       | 50.0          | 220                       | PA66     | Yellow (YE) | 1-10             |
| 109-00186             | Q50I  | 290        | 4.7       | 75.0          | 220                       | PA66     | Brown (BN)  | 1-10             |
| 109-00187             | Q50I  | 290        | 4.7       | 75.0          | 220                       | PA66     | Blue (BU)   | 1-10             |
| 109-00188             | Q50I  | 290        | 4.7       | 75.0          | 220                       | PA66     | Green (GN)  | 1-10             |
| 109-00189             | Q50I  | 290        | 4.7       | 75.0          | 220                       | PA66     | Red (RD)    | 1-10             |
| 109-00190             | Q50I  | 290        | 4.7       | 75.0          | 220                       | PA66     | Yellow (YE) | 1-10             |
| 109-00191             | Q50L  | 410        | 4.7       | 110.0         | 220                       | PA66     | Brown (BN)  | 1-10             |
| 109-00192             | Q50L  | 410        | 4.7       | 110.0         | 220                       | PA66     | Blue (BU)   | 1-10             |
| 109-00193             | Q50L  | 410        | 4.7       | 110.0         | 220                       | PA66     | Green (GN)  | 1-10             |
| 109-00194             | Q50L  | 410        | 4.7       | 110.0         | 220                       | PA66     | Red (RD)    | 1-10             |
| 109-00195             | Q50L  | 410        | 4.7       | 110.0         | 220                       | PA66     | Yellow (YE) | 1-10             |

All dimensions in mm. Subject to technical changes.

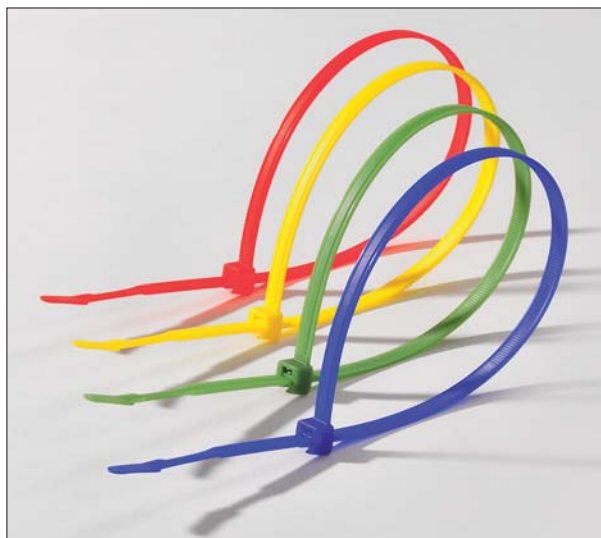


### Cable ties with open head

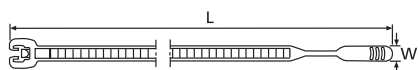
- Q-ties, Polyamide 6.6 (PA66), coloured

| Application Tool | Registration Numbers |
|------------------|----------------------|
| MK3SP            | 1                    |
| MK3PNSP2, MK7P   | 2                    |
| MK7              | 3                    |
| MK7HT            | 4                    |
| MK20             | 5                    |
| MK6              | 6                    |
| MK9P             | 7                    |
| MK9              | 8                    |
| MK9HT            | 9                    |
| MK21             | 10                   |

For detailed information on Application Tools please refer to page 561.



Q-ties in different colours are ideal for marking and bundling in one step.



Q-tie cable tie

| Material Data         |                                                          |
|-----------------------|----------------------------------------------------------|
| Material              | Polyamide 6.6 (PA66)                                     |
| Colour                | Brown (BN), Blue (BU), Green (GN), Red (RD), Yellow (YE) |
| Operating Temperature | -40 °C to +85 °C Continuous, (+105 °C for 500 h)         |
| Flammability          | UL94 V2                                                  |



Technical Table

| Article-No.           | Type  | Length (L) | Width (W) | Bundle Ø max. | Min. Tensile Strength (N) | Material | Colour      | Application Tool |
|-----------------------|-------|------------|-----------|---------------|---------------------------|----------|-------------|------------------|
| Polyamide 6.6 Colours |       |            |           |               |                           |          |             |                  |
| 109-00196             | Q120I | 300        | 7.7       | 70.0          | 530                       | PA66     | Brown (BN)  | 6-10             |
| 109-00197             | Q120I | 300        | 7.7       | 70.0          | 530                       | PA66     | Blue (BU)   | 6-10             |
| 109-00198             | Q120I | 300        | 7.7       | 70.0          | 530                       | PA66     | Green (GN)  | 6-10             |
| 109-00199             | Q120I | 300        | 7.7       | 70.0          | 530                       | PA66     | Red (RD)    | 6-10             |
| 109-00200             | Q120I | 300        | 7.7       | 70.0          | 530                       | PA66     | Yellow (YE) | 6-10             |
| 109-00201             | Q120R | 420        | 7.7       | 110.0         | 530                       | PA66     | Brown (BN)  | 6-10             |
| 109-00202             | Q120R | 420        | 7.7       | 110.0         | 530                       | PA66     | Blue (BU)   | 6-10             |
| 109-00203             | Q120R | 420        | 7.7       | 110.0         | 530                       | PA66     | Green (GN)  | 6-10             |
| 109-00204             | Q120R | 420        | 7.7       | 110.0         | 530                       | PA66     | Red (RD)    | 6-10             |
| 109-00205             | Q120R | 420        | 7.7       | 110.0         | 530                       | PA66     | Yellow (YE) | 6-10             |
| 109-00206             | Q120M | 520        | 7.7       | 145.0         | 530                       | PA66     | Brown (BN)  | 6-10             |
| 109-00207             | Q120M | 520        | 7.7       | 145.0         | 530                       | PA66     | Blue (BU)   | 6-10             |
| 109-00208             | Q120M | 520        | 7.7       | 145.0         | 530                       | PA66     | Green (GN)  | 6-10             |
| 109-00209             | Q120M | 520        | 7.7       | 145.0         | 530                       | PA66     | Red (RD)    | 6-10             |
| 109-00210             | Q120M | 520        | 7.7       | 145.0         | 530                       | PA66     | Yellow (YE) | 6-10             |

All dimensions in mm. Subject to technical changes.



Please find more Q-Series products for your system solution on page 166 and 508.