

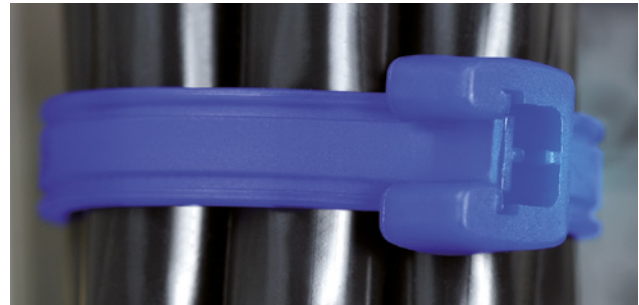


### Cable Ties, Q-tie

#### 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!



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

#### 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 easily detectable slot

This saves time and trouble!



*One Step to the Web!*

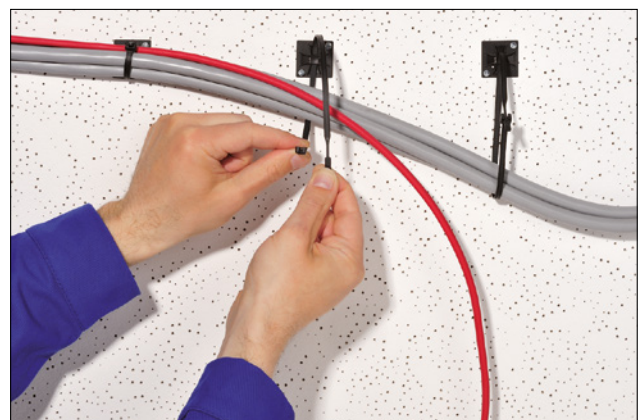


*Even under difficult circumstances the Q-tie cable tie is very fast and easy to apply.*

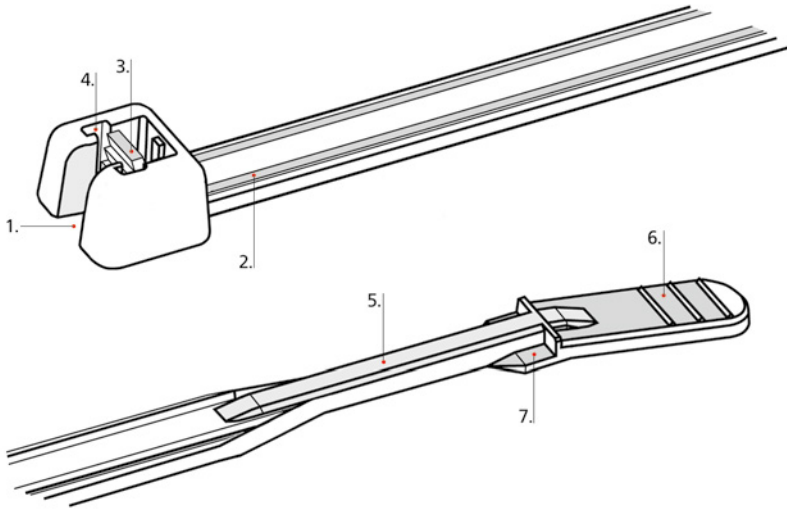
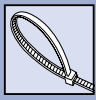
#### Integrated Pre-Locking Functionality!

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 both 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.*



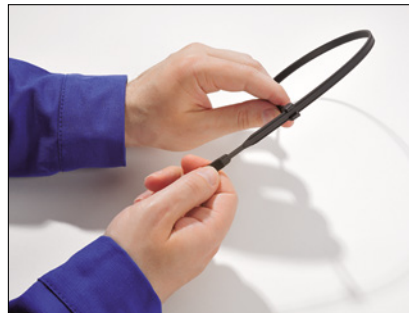
### Features of Q-ties:

1. Open lock head for quick and easy insertion.
2. Two rails on the strap ensure 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.

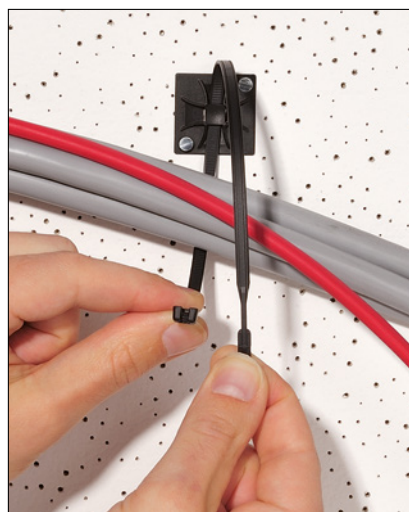
3. Cut off the remaining part of the tie with an application tool.

**Please find more Q-Series products for your system solution on page 77, 78 and 256.**

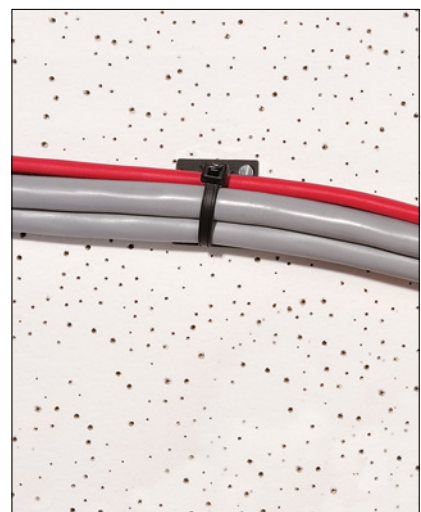
### Pre-locking Function of the Q-tie:



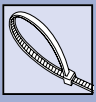
1. Insert tail into the open head and push the tail partly into the head.



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



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



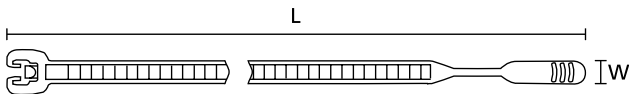
## Cable Ties with open head

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

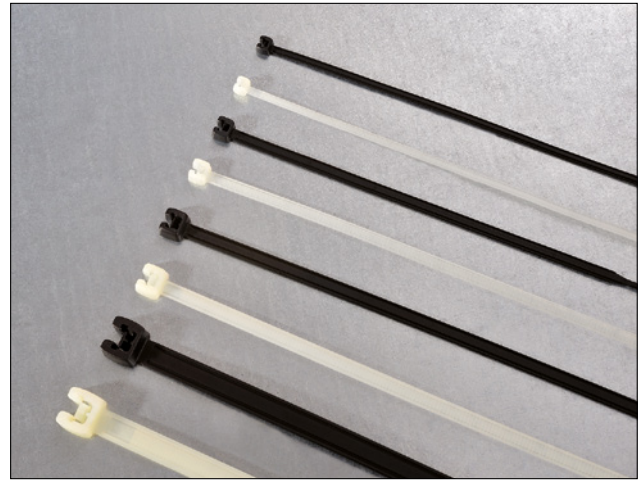


Material specification  
please see page 22.


One Step to the Web!



Q-tie cable tie

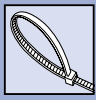


Q-tie cable ties: choose from a wide product range in different materials.

TYPE	Width (W)	Length (L)	Bundle Ø max.		Material	Colour	Pack Cont.	Article-No.
Q18R	2.6	105.0	24.0	80	PA66	Black (BK)	100	109-00030
	2.6	105.0	24.0	80	PA66	Natural (NA)	100	109-00001
Q18I	2.6	155.0	40.0	80	PA66	Black (BK)	100	109-00033
	2.6	155.0	40.0	80	PA66	Natural (NA)	100	109-00004
Q18L	2.6	195.0	50.0	80	PA66	Black (BK)	100	109-00036
	2.6	195.0	50.0	80	PA66	Natural (NA)	100	109-00007
Q30R	3.6	160.0	38.0	130	PA66	Black (BK)	100	109-00039
	3.6	160.0	38.0	130	PA66	Natural (NA)	100	109-00010
Q30L	3.6	200.0	50.0	130	PA66	Black (BK)	100	109-00041
	3.6	200.0	50.0	130	PA66	Natural (NA)	100	109-00012
Q30LR	3.6	250.0	65.0	130	PA66	Black (BK)	100	109-00043
	3.6	250.0	65.0	130	PA66	Natural (NA)	100	109-00014
Q50R	4.7	210.0	50.0	220	PA66	Black (BK)	100	109-00047
	4.7	210.0	50.0	220	PA66	Natural (NA)	100	109-00018
Q50I	4.7	290.0	75.0	220	PA66	Black (BK)	100	109-00049
	4.7	290.0	75.0	220	PA66	Natural (NA)	100	109-00020
Q50L	4.7	410.0	110.0	220	PA66	Black (BK)	100	109-00051
	4.7	410.0	110.0	220	PA66	Natural (NA)	100	109-00022
Q120I	7.7	300.0	70.0	530	PA66	Black (BK)	100	109-00053
	7.7	300.0	70.0	530	PA66	Natural (NA)	100	109-00024
Q120R	7.7	420.0	110.0	530	PA66	Black (BK)	100	109-00055
	7.7	420.0	110.0	530	PA66	Natural (NA)	100	109-00026
Q120M	7.7	520.0	130.0	530	PA66	Black (BK)	100	109-00057
	7.7	520.0	130.0	530	PA66	Natural (NA)	100	109-00028

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

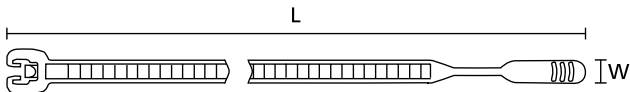


### Cable Ties with open head

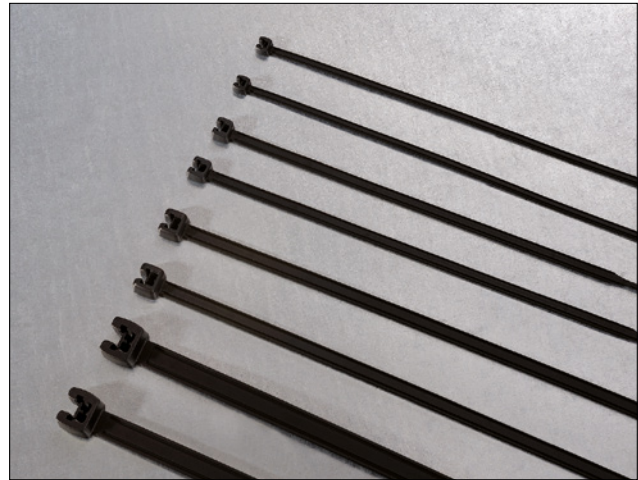
- Q-ties, Polyamide 6.6 UV-resistant (PA66W), black

Application tools  
please see page 302.

Please find more Q-Series products for your  
system solution on page 77, 78 and 256.



Q-tie cable tie

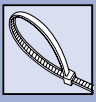


Q-tie cable ties: choose from a wide product range in different sizes.

TYPE	Width (W)	Length (L)	Bundle Ø max.		Material	Colour	Pack Cont.	Article-No.
Q18R	2.6	105.0	24.0	80	PA66W	Black (BK)	100	109-00059
Q18I	2.6	155.0	40.0	80	PA66W	Black (BK)	100	109-00062
Q18L	2.6	195.0	50.0	80	PA66W	Black (BK)	100	109-00065
Q30R	3.6	160.0	38.0	130	PA66W	Black (BK)	100	109-00068
Q30L	3.6	200.0	50.0	130	PA66W	Black (BK)	100	109-00070
Q30LR	3.6	250.0	65.0	130	PA66W	Black (BK)	100	109-00072
Q50R	4.7	210.0	50.0	220	PA66W	Black (BK)	100	109-00076
Q50I	4.7	290.0	75.0	220	PA66W	Black (BK)	100	109-00078
Q50L	4.7	410.0	110.0	220	PA66W	Black (BK)	100	109-00080
Q120I	7.7	300.0	70.0	530	PA66W	Black (BK)	100	109-00082
Q120R	7.7	420.0	110.0	530	PA66W	Black (BK)	100	109-00084
Q120M	7.7	520.0	130.0	530	PA66W	Black (BK)	100	109-00086

All dimensions in mm. Subject to technical changes.

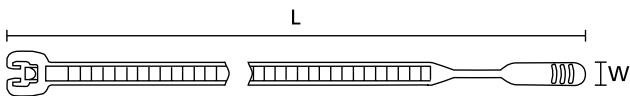
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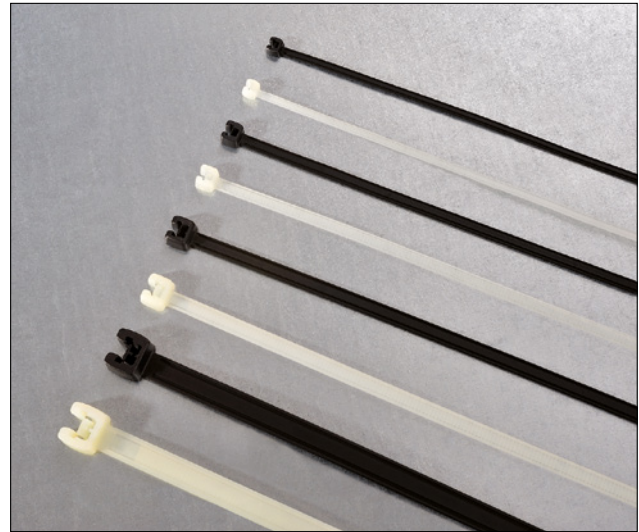
### Cable Ties with open head

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

Material specification please see page 22.



Q-tie cable tie



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

TYPE	Width (W)	Length (L)	Bundle Ø max.	N	Material	Colour	Pack Cont.	Article-No.
Q18R	2.6	105.0	24.0	80	PA66HS	Black (BK)	100	109-00088
	2.6	105.0	24.0	80	PA66HS	Natural (NA)	100	109-00117
Q18I	2.6	155.0	40.0	80	PA66HS	Black (BK)	100	109-00091
	2.6	155.0	40.0	80	PA66HS	Natural (NA)	100	109-00120
Q18L	2.6	195.0	50.0	80	PA66HS	Black (BK)	100	109-00094
	2.6	195.0	50.0	80	PA66HS	Natural (NA)	100	109-00123
Q30R	3.6	160.0	38.0	130	PA66HS	Black (BK)	100	109-00097
	3.6	160.0	38.0	130	PA66HS	Natural (NA)	100	109-00126
Q30L	3.6	200.0	50.0	130	PA66HS	Black (BK)	100	109-00099
	3.6	200.0	50.0	130	PA66HS	Natural (NA)	100	109-00128
Q30LR	3.6	250.0	65.0	130	PA66HS	Black (BK)	100	109-00101
	3.6	250.0	65.0	130	PA66HS	Natural (NA)	100	109-00130
Q50R	4.7	210.0	50.0	220	PA66HS	Black (BK)	100	109-00105
	4.7	210.0	50.0	220	PA66HS	Natural (NA)	100	109-00134
Q50I	4.7	290.0	75.0	220	PA66HS	Black (BK)	100	109-00107
	4.7	290.0	75.0	220	PA66HS	Natural (NA)	100	109-00136
Q50L	4.7	410.0	110.0	220	PA66HS	Black (BK)	100	109-00109
	4.7	410.0	110.0	220	PA66HS	Natural (NA)	100	109-00138
Q120I	7.7	300.0	70.0	530	PA66HS	Black (BK)	100	109-00111
	7.7	300.0	70.0	530	PA66HS	Natural (NA)	100	109-00140
Q120R	7.7	420.0	110.0	530	PA66HS	Black (BK)	100	109-00113
	7.7	420.0	110.0	530	PA66HS	Natural (NA)	100	109-00142
Q120M	7.7	520.0	130.0	530	PA66HS	Black (BK)	100	109-00115
	7.7	520.0	130.0	530	PA66HS	Natural (NA)	100	109-00144

All dimensions in mm. Subject to technical changes.

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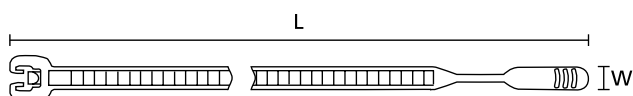


### Cable Ties with open head

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

**Application tools**  
please see page 302.

**Please find more Q-Series products for your system solution on page 77, 78 and 256.**



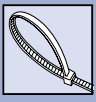
Q-tie cable tie

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

TYPE	Width (W)	Length (L)	Bundle Ø max.	N	Material	Colour	Pack Cont.	Article-No.
Q18R	2.6	105.0	24.0	80	PA66	Blue (BU)	100	109-00147
	2.6	105.0	24.0	80	PA66	Brown (BN)	100	109-00146
	2.6	105.0	24.0	80	PA66	Green (GN)	100	109-00148
	2.6	105.0	24.0	80	PA66	Red (RD)	100	109-00149
	2.6	105.0	24.0	80	PA66	Yellow (YE)	100	109-00150
Q18I	2.6	155.0	40.0	80	PA66	Blue (BU)	100	109-00152
	2.6	155.0	40.0	80	PA66	Brown (BN)	100	109-00151
	2.6	155.0	40.0	80	PA66	Green (GN)	100	109-00153
	2.6	155.0	40.0	80	PA66	Red (RD)	100	109-00154
	2.6	155.0	40.0	80	PA66	Yellow (YE)	100	109-00155
Q18L	2.6	195.0	50.0	80	PA66	Blue (BU)	100	109-00157
	2.6	195.0	50.0	80	PA66	Brown (BN)	100	109-00156
	2.6	195.0	50.0	80	PA66	Green (GN)	100	109-00158
	2.6	195.0	50.0	80	PA66	Red (RD)	100	109-00159
	2.6	195.0	50.0	80	PA66	Yellow (YE)	100	109-00160
Q30R	3.6	160.0	38.0	130	PA66	Blue (BU)	100	109-00162
	3.6	160.0	38.0	130	PA66	Brown (BN)	100	109-00161
	3.6	160.0	38.0	130	PA66	Green (GN)	100	109-00163
	3.6	160.0	38.0	130	PA66	Red (RD)	100	109-00164
	3.6	160.0	38.0	130	PA66	Yellow (YE)	100	109-00165
Q30L	3.6	200.0	50.0	130	PA66	Blue (BU)	100	109-00167
	3.6	200.0	50.0	130	PA66	Brown (BN)	100	109-00166
	3.6	200.0	50.0	130	PA66	Green (GN)	100	109-00168
	3.6	200.0	50.0	130	PA66	Red (RD)	100	109-00169
	3.6	200.0	50.0	130	PA66	Yellow (YE)	100	109-00170

All dimensions in mm. Subject to technical changes.


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## Cable Ties with open head

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

Material specification  
please see page 22.

TYPE	Width (W)	Length (L)	Bundle Ø max.		Material	Colour	Pack Cont.	Article-No.
Q30LR	3.6	250.0	65.0	130	PA66	Blue (BU)	100	109-00172
	3.6	250.0	65.0	130	PA66	Brown (BN)	100	109-00171
	3.6	250.0	65.0	130	PA66	Green (GN)	100	109-00173
	3.6	250.0	65.0	130	PA66	Red (RD)	100	109-00174
	3.6	250.0	65.0	130	PA66	Yellow (YE)	100	109-00175
Q50R	4.7	210.0	50.0	220	PA66	Blue (BU)	100	109-00182
	4.7	210.0	50.0	220	PA66	Brown (BN)	100	109-00181
	4.7	210.0	50.0	220	PA66	Green (GN)	100	109-00183
	4.7	210.0	50.0	220	PA66	Red (RD)	100	109-00184
	4.7	210.0	50.0	220	PA66	Yellow (YE)	100	109-00185
Q50I	4.7	290.0	75.0	220	PA66	Blue (BU)	100	109-00187
	4.7	290.0	75.0	220	PA66	Brown (BN)	100	109-00186
	4.7	290.0	75.0	220	PA66	Green (GN)	100	109-00188
	4.7	290.0	75.0	220	PA66	Red (RD)	100	109-00189
	4.7	290.0	75.0	220	PA66	Yellow (YE)	100	109-00190
Q50L	4.7	410.0	110.0	220	PA66	Blue (BU)	100	109-00192
	4.7	410.0	110.0	220	PA66	Brown (BN)	100	109-00191
	4.7	410.0	110.0	220	PA66	Green (GN)	100	109-00193
	4.7	410.0	110.0	220	PA66	Red (RD)	100	109-00194
	4.7	410.0	110.0	220	PA66	Yellow (YE)	100	109-00195
Q120I	7.7	300.0	70.0	530	PA66	Blue (BU)	100	109-00197
	7.7	300.0	70.0	530	PA66	Brown (BN)	100	109-00196
	7.7	300.0	70.0	530	PA66	Green (GN)	100	109-00198
	7.7	300.0	70.0	530	PA66	Red (RD)	100	109-00199
	7.7	300.0	70.0	530	PA66	Yellow (YE)	100	109-00200
Q120R	7.7	420.0	110.0	530	PA66	Blue (BU)	100	109-00202
	7.7	420.0	110.0	530	PA66	Brown (BN)	100	109-00201
	7.7	420.0	110.0	530	PA66	Green (GN)	100	109-00203
	7.7	420.0	110.0	530	PA66	Red (RD)	100	109-00204
	7.7	420.0	110.0	530	PA66	Yellow (YE)	100	109-00205
Q120M	7.7	520.0	130.0	530	PA66	Blue (BU)	100	109-00207
	7.7	520.0	130.0	530	PA66	Brown (BN)	100	109-00206
	7.7	520.0	130.0	530	PA66	Green (GN)	100	109-00208
	7.7	520.0	130.0	530	PA66	Red (RD)	100	109-00209
	7.7	520.0	130.0	530	PA66	Yellow (YE)	100	109-00210

All dimensions in mm. Subject to technical changes.

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## Material Specification Overview

Material	Shortcut	Operating Temperature	Colour**	Flammability	Material Properties*	
Aluminium-alloy	AL	-40 °C to +180 °C	Natural (NA)		<ul style="list-style-type: none"> <li>Corrosion resistant</li> <li>Antimagnetic</li> </ul>	RoHS
Chloroprene	CR	-20 °C to +80 °C	Black (BK)		<ul style="list-style-type: none"> <li>Weather-resistant</li> <li>High yield strength</li> </ul>	RoHS
Ethylenterafluorineethylen	E/TFE	-80 °C to +170 °C	Blue (BU)	UL94 V0	<ul style="list-style-type: none"> <li>Resistance to radioactivity</li> <li>UV- resistant, not moisture sensitive</li> <li>Good chemical resistance to: acids, bases, oxidizing agents</li> </ul>	RoHS
Polyacetal	POM	-40 °C to +90 °C, (+110 °C, 500 h)	Natural (NA)	UL94 HB	<ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Flexible at low temperature</li> <li>Not moisture sensitive</li> <li>Robust on impacts</li> </ul>	RoHS
Polyamide 11	PA11	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL94 HB	<ul style="list-style-type: none"> <li>Bio-plastic, derived from vegetable oil</li> <li>Strong impact resistance at low temperature</li> <li>Very low moisture absorption</li> <li>Weather-resistant</li> <li>Good chemical resistance</li> </ul>	RoHS HF
Polyamide 12	PA12	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL94 HB	<ul style="list-style-type: none"> <li>Good chemical resistance to: acids, bases, oxidizing agents</li> <li>UV- resistant</li> </ul>	RoHS HF
Polyamide 4.6	PA46	-40 °C to +150 °C (5000 h), +195 °C (500 h)	Natural (NA), Grey (GY)	UL94 V2	<ul style="list-style-type: none"> <li>Resistance to high temperatures</li> <li>Very moisture sensitive</li> <li>Low smoke sensitive</li> </ul>	RoHS HF LFH
Polyamide 6	PA6	-40 °C to +80 °C	Black (BK)	UL94 V2	<ul style="list-style-type: none"> <li>High yield strength</li> </ul>	RoHS
Polyamide 6.6	PA66	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK), Natural (NA)	UL94 V2	<ul style="list-style-type: none"> <li>High yield strength</li> </ul>	RoHS HF
Polyamide 6.6, Glassfibre reinforced	PA66GF13, PA66GF15	-40 °C to +105 °C	Black (BK)	UL94 HB	<ul style="list-style-type: none"> <li>Good resistance to: lubricants, vehicle fuel, salt water and many solvents</li> </ul>	RoHS HF
Polyamide 6.6 heat and UV stabilised	PA66HSW	-40 °C to +105 °C	Black (BK)	UL94 V2	<ul style="list-style-type: none"> <li>High yield strength</li> <li>Modified elevated max. temperature</li> <li>UV-resistant</li> </ul>	RoHS HF
Polyamide 6.6 Heat Stabilised	PA66HS	-40 °C to +105 °C	Black (BK), Natural (NA)	UL94 V2	<ul style="list-style-type: none"> <li>High yield strength</li> <li>Modified elevated max. temperature</li> </ul>	RoHS HF
Polyamide 6.6 High Imp. Mod., Heat Stab.	PA66HIRHS	-40 °C to +105 °C	Black (BK)	UL94 HB	<ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> <li>Modified elevated max. temperature</li> </ul>	RoHS
Polyamide 6.6 High Imp. Mod. scan black	PA66HIR(S)	-40 °C to +80 °C, (+105 °C, 500 h)	Black (BK)	UL94 HB	<ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> </ul>	RoHS HF
Polyamide 6.6 High Impact Modified	PA66HIR	-40 °C to +80 °C, (+105 °C, 500 h)	Black (BK)	UL94 HB	<ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> </ul>	RoHS

Tefzel® is a registered trademark of DuPont.  
General linguistic usage for cable ties made from raw material E/TFE is Tefzel®-Tie. In addition to Tefzel® from DuPont HellermannTyton is also using equivalent E/TFE raw material from other suppliers.

\*\*More colours on request.

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= Minimum Tensile Strength



## Material Specification Overview

Material	Shortcut	Operating Temperature	Colour**	Flammability	Material Properties*	RoHS	HF	LFH
<b>Polyamide 6.6</b> high impact modified, heat and UV stabilised	PA66-HIRHSW	-40 °C to +110 °C	Black (BK)	UL94 HB	<ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> <li>Modified elevated max. temperature</li> <li>High yield strength, UV-resistant</li> </ul>	RoHS	HF	
<b>Polyamide 6.6</b> UV Resistant	PA66W	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL94 V2	<ul style="list-style-type: none"> <li>High yield strength</li> <li>UV-resistant</li> </ul>	RoHS	HF	
<b>Polyamide 6.6 V0</b>	PA66V0	-40 °C to +85 °C	White (WH)	UL94 V0	<ul style="list-style-type: none"> <li>High yield strength</li> <li>Low smoke emission</li> </ul>	RoHS	HF	LFH
<b>Polyamide 6.6 V0</b> High Oxygen Index	PA66-V0-HOI	-40 °C to +85 °C, (+105 °C, 500 h)	White (WH)	UL94 V0	<ul style="list-style-type: none"> <li>High yield strength</li> <li>Low smoke emissions</li> </ul>	RoHS	HF	LFH
<b>Polyamide 6.6</b> with metal particles	PA66MP	-40 °C to +85 °C, (+105 °C, 500 h)	Blue (BU)	UL94 HB	<ul style="list-style-type: none"> <li>High yield strength</li> </ul>	RoHS	HF	
<b>Polyamide 6</b> high impact modified	PA6HIR	-40 °C to +80 °C	Black (BK)	UL94 HB	<ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> </ul>	RoHS		
<b>Polyester</b>	SP	-50 °C to +150 °C	Black (BK)		<ul style="list-style-type: none"> <li>UV-resistant</li> <li>Good chemical resistance to: most acids, alkalis and oils</li> </ul>	RoHS	HF	LFH
<b>Polyetheretherketone</b>	PEEK	-55 °C to +240 °C	Beige (BGE)	UL94 V0	<ul style="list-style-type: none"> <li>Resistance to radioactivity</li> <li>Not moisture sensitive</li> <li>Good chemical resistance to: acids, bases, oxidizing agents</li> </ul>	RoHS	HF	LFH
<b>Polyethylene</b>	PE	-40 °C to +50 °C	Black (BK), Grey (GY)	UL94 HB	<ul style="list-style-type: none"> <li>Low moisture absorption</li> <li>Good chemical resistance to: most acids, alcohol and oils</li> </ul>	RoHS	HF	
<b>Polyolefin</b>	PO	-40 °C to +90 °C	Black (BK)	UL94 V0	<ul style="list-style-type: none"> <li>Low smoke emissions</li> </ul>	RoHS	HF	LFH
<b>Polypropylene</b>	PP	-40 °C to +115 °C	Black (BK), Natural (NA)	UL94 HB	<ul style="list-style-type: none"> <li>Floats in water</li> <li>Moderate yield strength</li> <li>Good chemical resistance to: organic acids</li> </ul>	RoHS	HF	
<b>Polypropylene, Ethylene-Propylene-Dien-Terpolymer-rubber free of Nitrosamine</b>	PP, EPDM	-20 °C to +95 °C	Black (BK)	UL94 HB	<ul style="list-style-type: none"> <li>Good resistance to high temperatures</li> <li>Good chemical and abrasion resistance</li> </ul>	RoHS	HF	
<b>Polyvinylchloride</b>	PVC	-10 °C to +70 °C	Black (BK), Natural (NA)	UL94 V0	<ul style="list-style-type: none"> <li>Low moisture absorption</li> <li>Good chemical resistance to: acids, ethanol, oil</li> </ul>	RoHS		
<b>Stainless Steel</b>	SS304, SS316	-80 °C to +538 °C	Natural (NA)		<ul style="list-style-type: none"> <li>Corrosion resistant</li> <li>Antimagnetic</li> </ul>	RoHS	HF	LFH
<b>Thermoplastic Polyurethane</b>	TPU	-40 °C to +85 °C	Black (BK)	UL94 HB	<ul style="list-style-type: none"> <li>High elastic</li> <li>Good chemical resistance to: acids, bases, oxidizing agents</li> </ul>	RoHS	HF	

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