

OS Series Outside Serrated Ties

Features and Benefits

The ever increasing demands within the mass transit, automotive and data cable installation industries for tighter bundles has led to problems with the conventional inside serrated cable tie design causing damage to cable insulations, especially in vibration environments.

The OS range of outside serrated cable ties have overcome these problems. The design offers high tensile strengths, low insertion forces and a smooth surface to the cable insulation - minimising any indentation or damage. The curved shape of the head allows the tie to follow the contours of the cable and takes up less space than other designs of cable ties.

Application

Designed originally for the automotive market these ties are now being used in many areas where thin-walled or soft insulation wires and cable are being installed, e.g. railways, aircraft, data cable installations and electronics.



The new head design of the OS Series

Material Data

| | | | |
|------|-----------------------|--|---------------------|
| RoHS | Material | Polyamide 6.6 UV Resistant (PA66W) | HF (halogenfree) |
| | Operating Temperature | -40°C to +85°C Continuous, (+105°C for 500 h) | |
| | Flammability | UL94 V2 | |
| | | | |

Material Data

| | | | |
|------|-----------------------|--|---------------------|
| RoHS | Material | Polyamide 4.6 (PA46) | HF (halogenfree) |
| | Operating Temperature | -40°C to +150°C for 5000 h, (+195°C for 500 h) | |
| | Flammability | Limited Fire Hazard, Low generation of toxic gases and corrosive acid, Low smoke generation, UL94 V2 | |
| | | | |

Material Data

| | | | |
|------|-----------------------|---|---------------------|
| RoHS | Material | Polyamide 6.6 Heat Stabilised (PA66HS) | HF (halogenfree) |
| | Operating Temperature | -40°C to +105°C Continuous, (+145°C for 500 h) | |
| | Flammability | UL94 V2 | |
| | | | |

Material Data

| | | | |
|------|-----------------------|--|---------------------|
| RoHS | Material | Polyamide 6.6 V0 (PA66V0) | HF (halogenfree) |
| | Operating Temperature | -40°C to +85°C Continuous, (+105°C for 500 h) | |
| | Flammability | Limited Fire Hazard, Low generation of toxic gases and corrosive acid, Low smoke generation, UL94 V0 | |
| | | | |

Technical Table

| Code | Length (L) | Width (W) | Bundle Ø max. | Bundle Ø max. | Min. Tensile Strength (N) | Material | Colour | Application Tool |
|--------------------------------------|------------|-----------|---------------|---------------|---------------------------|----------|--------------|------------------|
| Polyamide 6.6 UV Stabilised | | | | | | | | |
| T50SOS | 150 | 4.6 | 1.6 | 35 | 225 | PA66W | Black (BK) | 1-5 |
| T50ROS | 200 | 4.6 | 1.6 | 50 | 225 | PA66W | Black (BK) | 1-5 |
| Polyamide 6.6 Heat Stabilised | | | | | | | | |
| T18ROS | 100 | 2.5 | 1.6 | 20 | 80 | PA66HS | Black (BK) | 1-3, 5 |
| T30ROS | 145 | 3.4 | 1.6 | 35 | 135 | PA66HS | Black (BK) | 1-3, 5 |
| T50SOS | 150 | 4.6 | 1.6 | 35 | 225 | PA66HS | Natural (NT) | 1-5 |
| T50SOS | 150 | 4.6 | 1.6 | 35 | 225 | PA66HS | Black (BK) | 1-5 |
| T30LOS | 200 | 3.4 | 1.6 | 50 | 135 | PA66HS | Black (BK) | 1-3, 5 |
| T50ROS | 200 | 4.6 | 1.6 | 50 | 225 | PA66HS | Natural (NT) | 1-5 |
| T50ROS | 200 | 4.6 | 1.6 | 50 | 225 | PA66HS | Black (BK) | 1-5 |
| T50MOS | 245 | 4.6 | 1.6 | 66 | 225 | PA66HS | Black (BK) | 1-5 |
| T50LOS | 384 | 4.6 | 1.6 | 110 | 225 | PA66HS | Black (BK) | 1-5 |
| Polyamide 6.6 V0 Rated | | | | | | | | |
| T30ROS | 145 | 3.4 | 1.6 | 35 | 135 | PA66V0 | Natural (NT) | 1-3, 5 |
| Polyamide 4.6 | | | | | | | | |
| T50SOS | 150 | 4.6 | 1.6 | 35 | 225 | PA46 | Grey (GY) | 1-5 |
| T50SOS | 150 | 4.6 | 1.6 | 35 | 225 | PA46 | Grey (GY) | 1-5 |
| T50MOS | 245 | 4.6 | 1.6 | 66 | 225 | PA46 | Natural (NT) | 1-5 |

All dimensions in mm. Subject to technical changes. Other materials available on request.



Please Note for Product Specific Approvals please refer to Appendix.