

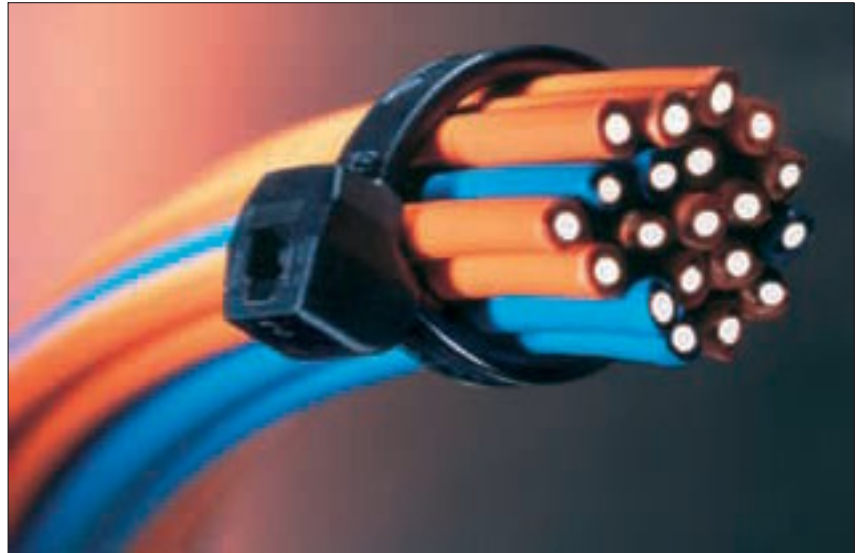


OS Series Outside Serrated Ties

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.

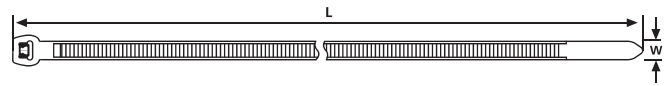
The OS range of outside serrated cable ties have overcome these problems. The design offers high tensile strengths, low insertion forces and a smooth surface to the cable insulation – minimising any indentation or damage. The curved shape of the head allows the tie to follow the contours of the cable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



The contoured head needs less installation space, provides low insertion force and offers high strength.



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, electronics.





The new head design of the OS Series



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



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

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

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



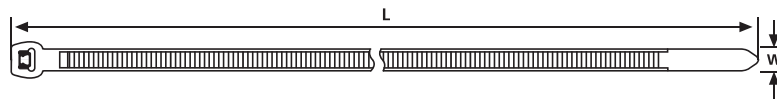
OS Series Outside Serrated Ties

Application Tool	Registration Numbers
MK3SP	1
MK3PNSP2, MK7P	2
MK7	3
MK7HT	4
MK20	5
MK6	6
MK9P, MK6PN	7
MK9	8
MK9HT	9
MK21	10

For more information please turn to page 410.



Smooth surface prevents insulation damage by chafe and indentation.



OS Series

Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø min.	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
Polyamide 6.6 UV Stabilised									
118-00039	T18ROS	100	2.5	1.6	20.0	80	PA66W	Black (BK)	1-3, 5
118-05860	T50SOS	150	4.6	1.6	35.0	225	PA66W	Black (BK)	1-5
118-05060	T50ROS	200	4.6	1.6	50.0	225	PA66W	Black (BK)	1-5
Polyamide 6.6 Heat Stabilised									
118-00035	T18ROS	100	2.5	1.6	20.0	80	PA66HS	Natural (NA)	1-3, 5
118-04702	T18ROS	100	2.5	1.6	20.0	80	PA66HS	Black (BK)	1-3, 5
118-00064	T30ROS	148	3.4	1.6	35.0	135	PA66HS	Natural (NA)	1-3, 5
118-04800	T30ROS	145	3.4	1.6	35.0	135	PA66HS	Black (BK)	1-3, 5
118-00044	T30LOS	200	3.4	1.6	50.0	135	PA66HS	Natural (NA)	1-3, 5
118-04900	T30LOS	200	3.4	1.6	50.0	135	PA66HS	Black (BK)	1-3, 5
118-05859	T50SOS	150	4.6	1.6	35.0	225	PA66HS	Natural (NA)	1-5
118-05850	T50SOS	150	4.6	1.6	35.0	225	PA66HS	Black (BK)	1-5
118-05059	T50ROS	200	4.6	1.6	50.0	225	PA66HS	Natural (NA)	1-5
118-05050	T50ROS	200	4.6	1.6	50.0	225	PA66HS	Black (BK)	1-5
118-00055	T50MOS	245	4.6	1.6	66.0	225	PA66HS	Natural (NA)	1-5
118-00018	T50MOS	245	4.6	1.6	66.0	225	PA66HS	Black (BK)	1-5
118-05900	T50LOS	384	4.6	1.6	110	225	PA66HS	Black (BK)	1-5
118-00067	T120ROS	385	7.6	5.0	105	535	PA66HS	Natural (NA)	6-10
118-00066	T120ROS	385	7.6	5.0	105	535	PA66HS	Black (BK)	6-10
Polyamide 6.6 V0 rated									
118-00014	T30ROS	148	3.4	1.6	35.0	135	PA66V0	White (WH)	1-3, 5
118-00021	T50MOS	245	4.6	1.6	66.0	225	PA66V0	White (WH)	1-5
Polyamide 4.6 High Temp.									
118-05878	T50SOS	150	4.6	1.6	35.0	225	PA46	Grey (GY)	1-5
118-00040	T50ROS	200	4.6	1.6	50.0	225	PA46	Natural (NA)	1-5
118-05078	T50ROS	200	4.6	1.6	50.0	225	PA46	Grey (GY)	1-5
118-00022	T50MOS	245	4.6	1.6	66.0	225	PA46	Natural (NA)	1-5

All dimensions in mm. Subject to technical changes.

Other materials available on request.



Please Note for Product Specific Approvals please refer to the Appendix