

NOVOFLEX

Made In
INDIA

An ISO 9001 : 2008 Company



TYPE 21



Cable Tie
E465219

LISTED

cab lok
CABLE TIES



Product Catalogue

Manufacturers Of Cable Ties & Wiring Accessories In India Since 1980

Website : www.novoflex.in



An ISO 9001 : 2008 Company

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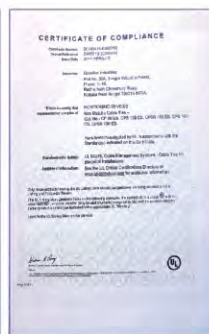
Novoflex is proud to introduce itself as the pioneer and leading manufacturer of Cable Ties, Cable Glands and various other wiring accessories in India. Since our inception in 1980, Novoflex has been a leading driver in the Indian Manufacturing Industry, catering to each and every segment of manufacturing, be it Public Sector or Private Sector.

Innovation in product design, coupled with a dynamic vision of catering to the needs of the Indian Manufacturing Industries, Novoflex has been supplying high precision, high performance components to OEM'S for over 3 decades.

Today, Novoflex has a state-of-the-art manufacturing plant employing the latest standards in manufacturing and applying the most stringent of Quality Control methods to ensure that each product manufactured meets all the specification as intended and required by our customers. With a huge range of over 1000 products catering to every section imaginable, Novoflex uses its expertise everyday to simplify the requirements of customers while being cost - effective too. Our products have been tested at Underwriter's Lab rataries, U.S.A, TUV Nord, MSME Lab, National Test House Kolkata for various tests of UV Resistance, Halogen Free, IP rating and Tensile Strength Tests.

Over the years Novoflex's R & D team has successfully converted many products from high cost materials to cost effective, versatile solutions to it's customers. So send us your enquiries, and see how we can simplify your life. No part is too small, or too big, or too complex for our team.

WELCOME TO THE NOVOFLEX WORLD.



www.novoflex.in



NOVOFLEX CAB - LOK CABLE TIES

High performance ties with superior Tensile Strength

Material: Manufactured from UL Listed Nylon 6.6 material.

Flammability Rating : UL94V-2, Resistant To Fungus, corrosion, and most acids.

Standard Colour : Natural White & UV Resistant Black.

Other colours available on request subject to a Minimum Order Quantity.

Continuous Operating Temperature : -25°C to +85°C.

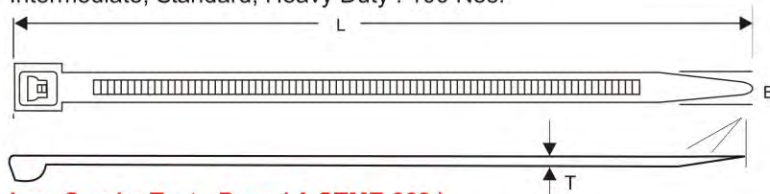
Intermittent Temperature : -20°C to 105°C (up to 500 hours)

Tensile Strength : High Tensile Strength provides a secure locking which will not slip, come off or slacken. Must be cut to remove.

Standard Packing

Miniature : 1000 Nos.

Intermediate, Standard, Heavy Duty : 100 Nos.



Low Smoke Test - Pass (A STME 662)

Oxygen Index - 28 (BS ISO 4589)

Burning Fume Toxicity - Pass (BSS 7239)

HALOGEN
FREE



NOVOFLEX Non-Returnable Cab-Lok Cable Ties

	Novoflex Part No.	Nominal Length "L" (mm)	Strap Width "B" (mm)	Thickness "T" (mm)	Min. Loop Tensile Strength (Kg)	Max Cable Bundle Dia (mm)	Standard Packing
MINIATURE	CP 80 ES	80	2.5	1.0	8	14	1000 Nos.
	CPS 100 ES	100	2.5	1.0	8	24	1000 Nos.
	CPSS 150 ES	150	2.5	1.1	8	35	1000 Nos.
	CPSS 200 ES	200	2.5	1.1	8	51	1000 Nos.
INTERMEDIATE	CPS 30150 ES	150	3.0	1.1	14	35	1000 Nos.
	CPS 150 ES	150	3.6	1.1	14	35	1000 Nos.
	CPS 31200 ES	200	3.1	1.2	14	51	100 Nos.
	CPS 200 ES	200	3.6	1.2	14	51	100 Nos.
	CPS 250 ES	250	3.6	1.2	14	74	100 Nos.
	CPSS 300 ES	300	3.6	1.2	14	83	100 Nos.
STANDARD	CPSS 370 ES	370	3.6	1.2	14	104	100 Nos.
	CP 200 ES	200	4.7	1.3	22	51	100 Nos.
	CP 250 ES	250	4.7	1.3	22	74	100 Nos.
	CPS 300 ES	300	4.7	1.3	22	83	100 Nos.
	CPS 368 ES	368	4.7	1.3	22	103	100 Nos.
	CPS 450 ES	450	4.7	1.3	22	130	100 Nos.
HEAVY DUTY	CPS 550 ES	550	4.7	1.3	22	164	100 Nos.
	CP 150 HD	150	7.6	1.5	55	35	100 Nos.
	CP 200 HD	200	7.6	1.5	55	51	100 Nos.
	CP 250 HD	250	7.6	1.5	55	74	100 Nos.
	CP 300 ES	300	7.6	1.6	55	83	100 Nos.
	CP 380 ES	380	7.6	1.6	55	110	100 Nos.
	CP 450 ES	450	7.6	1.7	55	130	100 Nos.
	CP 550 ES	550	9.0	1.7	80	164	100 Nos.
	CP 610 ES	610	9.0	1.8	80	181	100 Nos.
	CP 750 ES	750	9.0	1.8	80	226	100 Nos.
EXTRA HEAVY DUTY	CP 920 ES	920	9.0	1.8	80	275	100 Nos.
	CP 650 EHD ES	650	12.2	2.0	105	188	100 Nos.



Min. Loop Tensile Strength



Novoflex Cable Ties are tested for specified Tensile Strength as per SAE-AS 3367

Installation Instructions



Place cable tie around the cable bundle, insert tail into head.



Pull tie through locking head, down to bundle.



Cut the excess tail for a neat and compact finish.

Novoflex Cable Tie Tension Tool (TG-01)



For Fixing Upto 5 mm wide Nylon Cable Ties.

Novoflex Cable Tie Tension Tool (TG-02) (Metal Body)

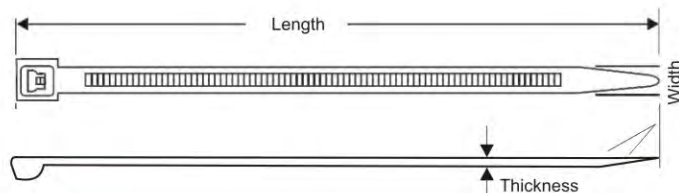


For Fixing Upto 8 mm wide Nylon Cable Ties.

NOVOFLEX UV RESISTANT NYLON CABLE TIES - BLACK



The standard Nylon Cable Ties may be affected by exposure to ultra - violet (UV) light i.e. from direct and indirect sun light. UV exposure eventually results in material oxidation, diminishing the mechanical performance characteristic of cable ties. Novoflex UV Resistant Nylon Cable Ties are manufactured with addition of Carbon Black imparting resistance to UV radiation that prolongs the life of cable ties.



Material : UL Listed Nylon 6.6 with Flammability Rating of UL 94V-2 resistant to UV Radiation, fungus & corrosion.

Standard Colour : UV Resistant Black.

Continuous Operating Temperature : -25°C to + 85°C.
Intermittent Temperature : -25°C to 105°C.

Standard Packing : 100 Nos

Tensile Strength : Superior Tensile Strength. Provides a secure locking which will not slip, come off, slacken. Must be cut to remove.

UV Radiation : Tested for 500 hours of UV Radiation.
Weathering Life Expectancy : 4 - 5 years.

Suggested Application: All Outdoor Exposure, Automobile, Shipping, Aviation & Solar Panels.



WEATHER & UV RESISTANT NYLON CABLE TIES								
	Novoflex Part No.	Nominal Length	Strap Width	Thickness	Min. Loop Tensile Strength	Max Cable Bundle Dia	Colour	Standard Packing
		(mm)	(mm)	(mm)	(Kg)	(mm)		
MINIATURE	CP 80 ES	80	2.5	1.0	8	14	Black	1000 Nos.
	CPS 100 ES	100	2.5	1.0	8	24	Black	1000 Nos.
	CPSS 150 ES	150	2.5	1.1	8	35	Black	1000 Nos.
	CPSS 200 ES	200	2.5	1.1	8	51	Black	1000 Nos.
INTERMEDIATE	CPS 30150 ES	150	3.0	1.1	14	35	Black	1000 Nos.
	CPS 150 ES	150	3.6	1.1	14	35	Black	1000 Nos.
	CPS 31200 ES	200	3.1	1.2	14	51	Black	100 Nos.
	CPS 200 ES	200	3.6	1.2	14	51	Black	100 Nos.
	CPS 250 ES	250	3.6	1.2	14	74	Black	100 Nos.
	CPSS 300 ES	300	3.6	1.2	14	83	Black	100 Nos.
	CPSS 370 ES	370	3.6	1.2	14	104	Black	100 Nos.
STANDARD	CP 200 ES	200	4.7	1.3	22	51	Black	100 Nos.
	CP 250 ES	250	4.7	1.3	22	74	Black	100 Nos.
	CPS 300 ES	300	4.7	1.3	22	83	Black	100 Nos.
	CPS 368 ES	368	4.7	1.3	22	103	Black	100 Nos.
	CPS 450 ES	450	4.7	1.3	22	130	Black	100 Nos.
	CPS 550 ES	550	4.7	1.3	22	164	Black	100 Nos.
	CP 150 HD	150	7.6	1.5	55	35	Black	100 Nos.
HEAVY DUTY	CP 200 HD	200	7.6	1.5	55	51	Black	100 Nos.
	CP 250 HD	250	7.6	1.5	55	74	Black	100 Nos.
	CP 300 ES	300	7.6	1.6	55	83	Black	100 Nos.
	CP 380 ES	380	7.6	1.6	55	110	Black	100 Nos.
	CP 450 ES	450	7.6	1.7	55	130	Black	100 Nos.
	CP 550 ES	550	9.0	1.7	80	164	Black	100 Nos.
	CP 610 ES	610	9.0	1.8	80	181	Black	100 Nos.
	CP 750 ES	750	9.0	1.8	80	226	Black	100 Nos.
EXTRA HEAVY DUTY	CP 920 ES	920	9.0	1.8	80	275	Black	100 Nos.
	CP 650 EHD	650	12.2	2.0	105	188	Black	100 Nos.

**UV
Resistant
Cable Ties**



Novoflex UV Resistant Nylon Cable Ties are suitable for continuous or extended exposure to outdoor conditions.

NOVOFLEX HEAT STABILIZED CABLE TIES

These Heat Stabilized Cables Ties are used for applications involving continuous or extended exposure to high temperature upto 115°C.

Novoflex Heat Stabilized Cable Ties contain specific formulated heat stabilizers to provide thermal endurance. Standard Colour : Black. Also available in Natural White or other colours subject to specific Minimum Order Quantity. Material : Heat Stablised Nylon 6.6.



Suggested Application: Automobile, Railways & Electrical Industries.

NOVOFLEX HEAT STABILIZED CABLE TIES

TEMPERATURE : UPTO 115°C

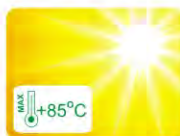
FLAMMABILITY UL94V-2

	Novoflex Part No.	Nominal Length (mm)	Strap Width (mm)	Thickness (mm)	Min. Loop Tensile Strength (Kg)	Max Cable Bundle Dia (mm)	Standard Packing
MINIATURE	CP 80 HSB	80	2.5	1.0	8	14	100 Nos.
	CPS 100 HSB	100	2.5	1.0	8	24	100 Nos.
	CPSS 150 HSB	150	2.5	1.1	8	35	100 Nos.
	CPSS 200 HSB	200	2.5	1.1	8	51	100 Nos.
	CPS 30150 HSB	150	3.0	1.1	14	35	100 Nos.
INTERMEDIATE	CPS 150 HSB	150	3.6	1.1	14	35	100 Nos.
	CPS 31200 HSB	200	3.1	1.2	14	51	100 Nos.
	CPS 200 HSB	200	3.6	1.2	14	51	100 Nos.
	CPS 250 HSB	250	3.6	1.2	14	74	100 Nos.
	CPSS 300 HSB	300	3.6	1.2	14	83	100 Nos.
STANDARD	CPSS 370 HSB	370	3.6	1.2	14	104	100 Nos.
	CP 200 HSB	200	4.7	1.3	22	51	100 Nos.
	CP 250 HSB	250	4.7	1.3	22	74	100 Nos.
	CPS 300 HSB	300	4.7	1.3	22	83	100 Nos.
	CPS 368 HSB	368	4.7	1.3	22	103	100 Nos.
HEAVY DUTY	CPS 450 HSB	450	4.7	1.3	22	130	100 Nos.
	CPS 550 HSB	550	4.7	1.3	22	164	100 Nos.
	CP 150 HD HSB	150	7.6	1.5	55	35	100 Nos.
	CP 200 HD HSB	200	7.6	1.5	55	51	100 Nos.
	CP 250 HD HSB	250	7.6	1.5	55	74	100 Nos.
EXTRA HEAVY DUTY	CP 300 HSB	300	7.6	1.6	55	83	100 Nos.
	CP 380 HSB	380	7.6	1.6	55	110	100 Nos.
	CP 450 HSB	450	7.6	1.7	55	130	100 Nos.
	CP 550 HSB	550	9.0	1.7	80	164	100 Nos.
	CP 610 HSB	610	9.0	1.8	80	181	100 Nos.
EXTRA HEAVY DUTY	CP 750 HSB	750	9.0	1.8	80	226	100 Nos.
	CP 920 HSB	920	9.0	1.8	80	275	100 Nos.
EXTRA HEAVY DUTY	CP 650 EHD HSB	650	12.2	2.0	105	188	100 Nos.

NOVOFLEX LOW TEMPERATURE RESISTANT CABLE TIES

These Cable Ties are suitable for fixing in extreme cold temperature. These ties can withstand low temperature upto -40°C on continuous basis.

Material : Impact Resistant Nylon 6.6.



NOVOFLEX LOW TEMPERATURE CABLE TIES

TEMPERATURE : UPTO - 40°C

FLAMMABILITY UL94V-2

	Novoflex Part No.	Nominal Length (mm)	Strap Width (mm)	Thickness (mm)	Min. Loop Tensile Strength (Kg)	Max Cable Bundle Dia (mm)	Standard Packing
MINIATURE	CP 80 LT	80	2.5	1.0	8	14	100 Nos.
	CPS 100 LT	100	2.5	1.0	8	24	100 Nos.
	CPSS 150 LT	150	2.5	1.1	8	35	100 Nos.
	CPSS 200 LT	200	2.5	1.1	8	51	100 Nos.
	CPS 30150 LT	150	3.0	1.1	14	35	100 Nos.
INTERMEDIATE	CPS 150 LT	150	3.6	1.1	14	35	100 Nos.
	CPS 30200 LT	200	3.0	1.2	14	51	100 Nos.
	CPS 200 LT	200	3.6	1.2	14	51	100 Nos.
	CPS 250 LT	250	3.6	1.2	14	74	100 Nos.
	CPSS 300 LT	300	3.6	1.2	14	83	100 Nos.
STANDARD	CPSS 370 LT	370	3.6	1.2	14	104	100 Nos.
	CP 200 LT	200	4.7	1.3	22	51	100 Nos.
	CP 250 LT	250	4.7	1.3	22	74	100 Nos.
	CPS 300 LT	300	4.7	1.3	22	83	100 Nos.
	CPS 368 LT	368	4.7	1.3	22	103	100 Nos.
HEAVY DUTY	CPS 450 LT	450	4.7	1.3	22	130	100 Nos.
	CPS 550 LT	550	4.7	1.3	22	164	100 Nos.
	CP 150 HD LT	150	7.6	1.5	55	35	100 Nos.
	CP 200 HD LT	200	7.6	1.5	55	51	100 Nos.
	CP 250 HD LT	250	7.6	1.5	55	74	100 Nos.
EXTRA HEAVY DUTY	CP 300 LT	300	7.6	1.6	55	83	100 Nos.
	CP 380 LT	380	7.6	1.6	55	110	100 Nos.
	CP 450 LT	450	7.6	1.7	55	130	100 Nos.
	CP 550 LT	550	9.0	1.7	80	164	100 Nos.
	CP 610 LT	610	9.0	1.8	80	181	100 Nos.
EXTRA HEAVY DUTY	CP 750 LT	750	9.0	1.8	80	226	100 Nos.
	CP 920 LT	920	9.0	1.8	80	275	100 Nos.
EXTRA HEAVY DUTY	CP 650 EHD LT	650	12.2	2.0	96	188	100 Nos.

NOVOFLEX HIGH TEMPERATURE CABLE TIES

For temperature upto 150°C



HALOGEN
FREE

These Cable Ties are ideal for use in high temperature and harsh chemical environments. They are halogen free and have a UL94V-2 flammability rating, generating low smoke and gas, contributing to enhanced workplace safety. Ideal for Drilling, Railway, Offshore, Automotive Industries etc. Operating Temperature : -25°C to + 150°C for 5000 hours. +195°C for 500 hours.

Material : Nylon 4.6 (Polyamide)

NOVOFLEX HIGH TEMPERATURE CABLE TIES

TEMPERATURE : UPTO - 150°C

FLAMMABILITY UL94V-2

	Novoflex Part No.	Nominal Length (mm)	Strap Width (mm)	Thickness (mm)	Min. Loop Tensile Strength (Kg)	Max Cable Bundle Dia (mm)	Standard Packing
MINIATURE	CP 80 HTR	80	2.5	1.0	8	14	100 Nos.
	CPS 100 HTR	100	2.5	1.0	8	24	100 Nos.
	CPSS 150 HTR	150	2.5	1.1	8	35	100 Nos.
	CPSS 200 HTR	200	2.5	1.1	8	51	100 Nos.
INTERMEDIATE	CPS 30150 HTR	150	3.0	1.1	14	35	100 Nos.
	CPS 150 HTR	150	3.6	1.1	14	35	100 Nos.
	CPS 31200 HTR	200	3.1	1.2	14	51	100 Nos.
	CPS 200 HTR	200	3.6	1.2	14	51	100 Nos.
	CPS 250 HTR	250	3.6	1.2	14	74	100 Nos.
	CPSS 300 HTR	300	3.6	1.2	14	83	100 Nos.
	CPSS 370 HTR	370	3.6	1.2	14	104	100 Nos.
	CP 200 HTR	200	4.7	1.3	22	51	100 Nos.
STANDARD	CP 250 HTR	250	4.7	1.3	22	74	100 Nos.
	CPS 300 HTR	300	4.7	1.3	22	83	100 Nos.
	CPS 368 HTR	368	4.7	1.3	22	103	100 Nos.
	CPS 450 HTR	450	4.7	1.3	22	130	100 Nos.
	CPS 550 HTR	550	4.7	1.3	22	164	100 Nos.
HEAVY DUTY	CP 150 HD HTR	150	7.6	1.5	55	35	100 Nos.
	CP 200 HD HTR	200	7.6	1.5	55	51	100 Nos.
	CP 250 HD HTR	250	7.6	1.5	55	74	100 Nos.
	CP 300 HTR	300	7.6	1.6	55	83	100 Nos.
	CP 380 HTR	380	7.6	1.6	55	110	100 Nos.
	CP 450 HTR	450	7.6	1.7	55	130	100 Nos.
	CP 550 HTR	550	9.0	1.7	80	164	100 Nos.
	CP 610 HTR	610	9.0	1.8	80	181	100 Nos.
	CP 750 HTR	750	9.0	1.8	80	226	100 Nos.
	CP 920 HTR	920	9.0	1.8	80	275	100 Nos.
EXTRA HEAVY DUTY	CP 650 EHD HTR	650	12.2	2.0	96	188	100 Nos.

NOVOFLEX FIRE RETARDANT CABLE TIES

For Higher Fire Protection



HALOGEN
FREE

These Ties are made of fire - retardant nylon 6.6 that meets the UL94-0 flammability rating, making them ideal for public areas including mass transit vehicle and stations, as well as infrastructures such as tunnels and oil and gas rigs as well as any other areas where low smoke density and fire resistance are critical.

Material : Nylon 6.6 (Polyamide)

NOVOFLEX FIRE RETARDANT CABLE TIES

TEMPERATURE : UPTO - 85°C

FLAMMABILITY UL94V-0

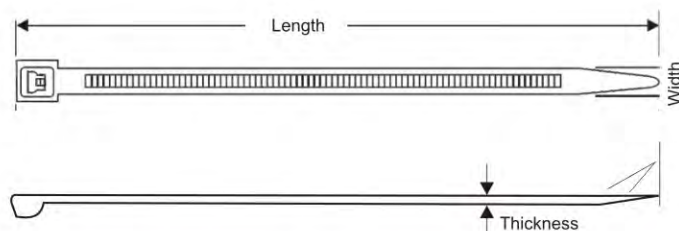
	Novoflex Part No.	Nominal Length (mm)	Strap Width (mm)	Thickness (mm)	Min. Loop Tensile Strength (Kg)	Max Cable Bundle Dia (mm)	Standard Packing
MINIATURE	CP 80 FR	80	2.5	1.0	8	14	100 Nos.
	CPS 100 FR	100	2.5	1.0	8	24	100 Nos.
	CPSS 150 FR	150	2.5	1.1	8	35	100 Nos.
	CPSS 200 FR	200	2.5	1.1	8	51	100 Nos.
INTERMEDIATE	CPS 30150 FR	150	3.0	1.1	14	35	100 Nos.
	CPS 150 FR	150	3.6	1.1	14	35	100 Nos.
	CPS 31200 FR	200	3.1	1.2	14	51	100 Nos.
	CPS 200 FR	200	3.6	1.2	14	51	100 Nos.
	CPS 250 FR	250	3.6	1.2	14	74	100 Nos.
	CPSS 300 FR	300	3.6	1.2	14	83	100 Nos.
	CPSS 370 FR	370	3.6	1.2	14	104	100 Nos.
	CP 200 FR	200	4.7	1.3	22	51	100 Nos.
STANDARD	CP 250 FR	250	4.7	1.3	22	74	100 Nos.
	CPS 300 FR	300	4.7	1.3	22	83	100 Nos.
	CPS 368 FR	368	4.7	1.3	22	103	100 Nos.
	CPS 450 FR	450	4.7	1.3	22	130	100 Nos.
	CPS 550 FR	550	4.7	1.3	22	164	100 Nos.
HEAVY DUTY	CP 150 HD FR	150	7.6	1.5	55	35	100 Nos.
	CP 200 HD FR	200	7.6	1.5	55	51	100 Nos.
	CP 250 HD FR	250	7.6	1.5	55	74	100 Nos.
	CP 300 FR	300	7.6	1.6	55	83	100 Nos.
	CP 380 FR	380	7.6	1.6	55	110	100 Nos.
	CP 450 FR	450	7.6	1.7	55	130	100 Nos.
	CP 550 FR	550	9.0	1.7	80	164	100 Nos.
	CP 610 FR	610	9.0	1.8	80	181	100 Nos.
	CP 750 FR	750	9.0	1.8	80	226	100 Nos.
	CP 920 FR	920	9.0	1.8	80	275	100 Nos.
EXTRA HEAVY DUTY	CP 650 EHD FR	650	12.2	2.0	105	188	100 Nos.

NOVOFLEX WEATHER & UV RESISTANT NYLON CABLE TIES



**HALOGEN
FREE**

The standard Nylon Cable Ties may be affected by exposure to ultra - violet (UV) light i.e. from direct and indirect sun light. UV exposure eventually results in material oxidation, diminishing the mechanical performance characteristic of cable ties. Novoflex UV Resistant Nylon Cable Ties are manufactured with special additives & carbon black which is resistant to UV Radiation, rain and other external weather conditions.



Material : UL Listed Nylon 6.6 with Flammability Rating of UL 94V-2 resistant to UV Radiation, fungus & corrosion.

Standard Colour : Weather & UV Resistant Black.

Operating Temperature : -25°C to + 85°C.

Standard Packing : 100 Nos

Tensile Strength : Superior Tensile Strength. Provides a secure locking which will not slip, come off, slacken. Must be cut to remove.

UV Radiation : Tested for 1000 hours of UV Radiation by Underwriters Laboratories (UL).

Weathering Life Expectancy : 7 - 9 years.

Suggested Application: All Outdoor Exposure, Automobile, Shipping, Aviation & Solar Panels.



WEATHER & UV RESISTANT NYLON CABLE TIES

	Novoflex Part No.	Nominal Length (mm)	Strap Width (mm)	Thickness (mm)	Min. Loop Tensile Strength (Kg)	Max Cable Bundle Dia (mm)	Standard Packing
MINIATURE	CP 80 UVB	80	2.5	1.0	8	14	1000 Nos.
	CPS 100 UVB	100	2.5	1.0	8	24	1000 Nos.
	CPSS 150 UVB	150	2.5	1.1	8	35	1000 Nos.
	CPSS 200 UVB	200	2.5	1.1	8	51	1000 Nos.
INTERMEDIATE	CPS 30150 UVB	150	3.0	1.1	14	35	100 Nos.
	CPS 150 UVB	150	3.6	1.1	14	35	100 Nos.
	CPS 31200 UVB	200	3.1	1.2	14	51	1000 Nos.
	CPS 200 UVB	200	3.6	1.2	14	51	100 Nos.
	CPS 250 UVB	250	3.6	1.2	14	74	100 Nos.
	CPSS 300 UVB	300	3.6	1.2	14	83	100 Nos.
	CPSS 370 UVB	370	3.6	1.2	14	104	100 Nos.
STANDARD	CP 200 UVB	200	4.7	1.3	22	51	100 Nos.
	CP 250 UVB	250	4.7	1.3	22	74	100 Nos.
	CPS 300 UVB	300	4.7	1.3	22	83	100 Nos.
	CPS 368 UVB	368	4.7	1.3	22	103	100 Nos.
	CPS 450 UVB	450	4.7	1.3	22	130	100 Nos.
	CPS 550 UVB	550	4.7	1.3	22	164	100 Nos.
HEAVY DUTY	CP 150 HD UVB	150	7.6	1.5	55	35	100 Nos.
	CP 200 HD UVB	200	7.6	1.5	55	51	100 Nos.
	CP 250 HD UVB	250	7.6	1.5	55	74	100 Nos.
	CP 300 UVB	300	7.6	1.6	55	83	100 Nos.
	CP 380 UVB	380	7.6	1.6	55	110	100 Nos.
	CP 450 UVB	450	7.6	1.7	55	130	100 Nos.
	CP 550 UVB	550	9.0	1.7	80	164	100 Nos.
	CP 610 UVB	610	9.0	1.8	80	181	100 Nos.
	CP 750 UVB	750	9.0	1.8	80	226	100 Nos.
	CP 920 UVB	920	9.0	1.8	80	275	100 Nos.
EXTRA HEAVY DUTY	CP 650 EHD UVB	650	12.2	2.0	105	188	100 Nos.



Novoflex UV Resistant Nylon Cable Ties are suitable for continuous or extended exposure to outdoor conditions in harsh, sunny & hot climate conditions.

NOVOFLEX REUSABLE CABLE TIES - CPR SERIES

These Reusable cable ties can be opened and used multiple times as per requirement. These are particularly beneficial where last minute changes are required in the wiring.

Standard Colour : Natural White

Other Colours available : Red, Green, Yellow, Blue & Black.

Operating Temperature : -25°C to +85°C

Standard Packing : 100 Nos.

Tensile Strength : High Tensile Strength provides a secure locking which will not slip, come off or slacken.

Material : Manufactured from UL Listed Nylon 6.6 material having Flammability Rating of UL94V-2. Resistant to Fungus, corrosion, and most mild acids.

HALOGEN
FREE



RE - USABLE CABLE TIES - CPR SERIES

Novoflex Part No.	Nominal length (mm)	Strap width (mm)	Thickness (mm)	Min. Tensile Strength (mm) / (Kg)	Max. Cable Bundle Dia (mm)
CPR - 100 ES	100	3.5	1.2	9	24
CPR - 150 ES	150	4.7	1.2	20	35
CPR - 200 ES	200	4.7	1.2	20	51
CPR - 300 ES	300	4.8	1.3	20	83
CPR - 370 ES	370	4.8	1.3	20	106

NOVOFLEX REUSABLE CABLE TIES - CPU SERIES

Exclusive design Permits fast, easy release & reuse

Standard Colour : Natural White

Other Colours available : Red, Green, Yellow, Blue & Black.

Operating Temperature : -25°C to +85°C

Standard Packing : 100 Nos.

Tensile Strength : High Tensile Strength provides a secure locking which will not slip, come off or slacken.

Material : Manufactured from UL Listed Nylon 6.6 material having Flammability Rating of UL94V-2.

Resistant to Fungus, corrosion, and most mild acids.

HALOGEN
FREE



RE - USABLE CABLE TIES - CPU SERIES

Novoflex Part No.	Nominal length (mm)	Strap width (mm)	Thickness (mm)	Min. Tensile Strength (mm) / (Kg)	Max. Cable Bundle Dia (mm)
CPU- 150 ES	150	7.5	1.7	20	35
CPU - 150 ES	200	7.5	1.7	20	51
CPU - 250 ES	250	7.5	1.7	20	74
CPU - 300 ES	300	7.5	1.7	20	83

NOVOFLEX IDENTIFICATION CABLE TIES

These identification ties have been provided with a writing plate area where text & numbers can be inscribed with an indelible ink pen. We can also customise this space with a permanent printing consisting of consecutive 8 digit serial numbers and or your company name and logo.

Standard Colour : Natural White

Operating Temperature : -25°C to +85°C

Standard Packing : 100 Nos.

Tensile Strength : High Tensile Strength provides a secure locking which will not slip, come off or slacken. Must be cut to remove.

Material : Manufactured from UL Listed Nylon 6.6 material having Flammability Rating of UL94V-2.

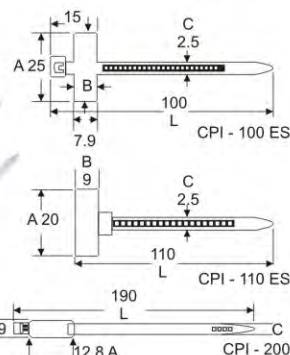
Resistant to Fungus, corrosion, and most mild acids.

Optional : Printing of logo / serial Numbers at extra cost, subject to MOQ of 10000 Nos.

HALOGEN
FREE



Novoflex Part No.	Nominal length "L" (mm)	Plate		Strap width "C" (mm)	Standard Packing
		"A" (mm)	"B" (mm)		
CPI - 100 ES	100	25	7.9	2.5	100 nos.
CPI - 110 ES	110	20	9	2.5	100 nos.
CPI - 200 ES	200	12.8	29	4.8	100 nos.



NOVOFLEX ACID & CHEMICAL RESISTANT CABLE TIES



Novoflex Acid Resistant Cable Ties are designed to withstand harsh chemical environments. These cable ties are ideal for use in chemical processing industry, and in facilities where equipment are required to be cleaned with harsh chemicals regularly.



FEATURES

Resistant : Highly Resistant to most Salt, Alcohol, Bases, and Inorganic Acids.

High Temperature Range : -60°C to 115°C.

Buoyant : Floats to the surface of most liquids making them detectable very easily.

TECHNICAL INFORMATION	
Chemical Resistant Acid : Excellent Salt : Excellent Base : Excellent Hydrocarbons : Good (Gas, Oil, Lubricants) Chlorinated : Good Hydrocarbons	Maximum Continuous : 115°C. use Temperature Minimum Application : -60°C. use Temperature Flammability : UL94B. Material : Polypropylene.
COLOURS	IMPACT RESISTANT
Natural White	Very Good

ACID & CHEMICAL RESISTANT CABLE TIES					
Novoflex Part No.	Length (mm)	Width (mm)	Tensile Strength (mm)	Max. Cable Bundle Dia (mm)	Standard Packing.
AR - 10025	100	2.5	5	24	100 Nos.
AR - 15036	150	3.6	9	35	100 Nos.
AR - 20036	200	3.6	9	51	100 Nos.
AR - 20047	200	4.7	11	83	100 Nos.
AR - 30047	300	4.7	11	110	100 Nos.
AR - 30076	300	7.6	26	110	100 Nos.

NOVOFLEX UV RESISTANT POLYPROPYLENE CABLE TIES



● Weather Resistant Variant allows ties to withstand exposure to sunlight and outdoor environments in addition to the harsh chemicals.

● UV Resistant polypropylene cable ties are recommended where the application does not demand high loop tensile strength, giving cost advantage over nylon cable ties.

TECHNICAL INFORMATION	
Chemical Resistant Acid : Excellent Salt : Excellent Base : Excellent Hydrocarbons : Good (Gas, Oil, Lubricants) Chlorinated : Good Hydrocarbons	UV Resistant Life Expectancy Life Span : 7-9 Years Maximum Continuous : 115°C. use Temperature Minimum Application : -60°C. use Temperature Flammability : UL94B. Material : Polypropylene

UV RESISTANT POLYPROPYLENE CABLE TIES					
Novoflex Part No.	Length (mm)	Width (mm)	Tensile Strength (mm)	Max. Cable Bundle Dia (mm)	Standard Packing.
UAR - 10025	100	2.5	5	24	100 Nos.
UAR - 15036	150	3.6	9	35	100 Nos.
UAR - 20036	200	3.6	9	51	100 Nos.
UAR - 20047	200	4.7	11	83	100 Nos.
UAR - 30047	300	4.7	11	110	100 Nos.
UAR - 30076	300	7.6	26	110	100 Nos.
COLOURS			IMPACT RESISTANT		
Natural White			Very Good		

NOVOFLEX METAL DETECTABLE CABLE TIES



Novoflex Metal Detectable Cable Ties are designed for use in Food, Pharmaceutical and contamination sensitive industries to meet the safety standards set by HACCP*. These ties contain a very special metallic pigment dispersed throughout their body making them detectable by metal detectors and x-ray systems. Small cut-off pieces can also be easily detected. Industry Standard Bright Blue colour makes them very detectable visually too.



METAL DETECTOR	METAL DETECTABLE CABLE TIES					
DETECTED !	Our Metal Detectable Cable Ties are Thoroughly tested and inspected before reaching you.	Novoflex Part No.	Length (mm)	Width (mm)	Thickness (mm)	Tensile Strength (Kgs)
	Detection Methods : Metal Detectors X-Ray Systems Visual - Detection Systems.	MDT 10025	100	2.5	1.1	8
		MDT 15036	150	3.6	1.1	12
		MDT 20047	200	4.7	1.3	18
		MDT 30076	300	7.6	1.6	36
		MDT 38076	380	7.6	1.6	36
						Max. Cable Bundle Dia (mm)
						Standard Packing
						100 Nos.
						100 Nos.
						100 Nos.
						100 Nos.
						110
						100 Nos.

MATERIAL SPECIFICATIONS			
MATERIAL	COLOR	OPERATING TEMPERATURE	FLAMMABILITY
Nylon 6.6 with Metal Particles (PA66MP)	Blue	-40°C to +85°C (+150°C FOR 500 HOURS)	UL94HB

TYPICAL APPLICATIONS :



Food and Beverage Industry



Pharmaceuticals



Tobacco Processing



Tyre and Airbag Processing



Drugs, Chemicals, Granules etc

And Many More.....

***Hazard analysis and critical control points (HACCP)** is a systematic preventive approach to food safety from the hazards in production processes. It is referred to as the prevention of hazards and rectifying mistakes before anything unwanted can occur. Critical Control Points (CCPs) are points or steps in food manufacturing processes at which control can be applied, and, as a result, food safety hazard can be prevented, eliminated or reduced.

NOVOFLEX PUSH MOUNT CABLE TIES - WINGS SERIES



Designed with an additional Push Mount Head, these Cable Ties secure cable bunches to a panel or chassis without the need of any fixing tool. This can be done by simply pushing the anchor through a plate with maximum 2.3 mm thickness and then tying the cable with the tie. Tensioning Wings on the side of the anchor provide a tight, rattle free, and stable installation.

Standard Colour: Black & White.

Continuous Operating Temperature : -25°C to +85°C.

Material: Nylon 6.6 (Polyamide)

PUSH MOUNT CABLE TIES - WINGS SERIES

Novoflex Part No.	Nominal Overall Length "L" (mm)	Strap Width "B" (mm)	Thickness (mm)	Min. Tensile Strength (Kg)	Max. Cable Bundle Dia (mm)	Push Hole Dia (mm)	Standard Packing
CPM-100	100	2.5	1.20	8	22	4.8	100 Nos.
CPM-100 HD	100	4.8	1.28	22	22	6.4	100 Nos.
CPM-135	132	4.8	1.28	22	28	6.3-7.0	100 Nos.
CPM-150S	150	3.5	1.40	9	30	6.4	100 Nos.
CPM-160	160	3.5	1.20	9	35	4.8	100 Nos.
CPM-200	200	4.8	1.30	22	48	6.4	100 Nos.

NOVOFLEX SCREW MOUNTING CABLE TIES



These Screw Mounting Cable Ties are for easy securing of cable to a panel by a single screw.

Material : Nylon 6.6 - Resistant fungus, corrosion.

Standard Colour : Natural Colour or UV Resistant Black.

Tensile Strength: High Tensile Strength provides a secure locking which will not slip, come off or slacken. Must be cut to remove.

Manufactured from UL approved Nylon 6.6

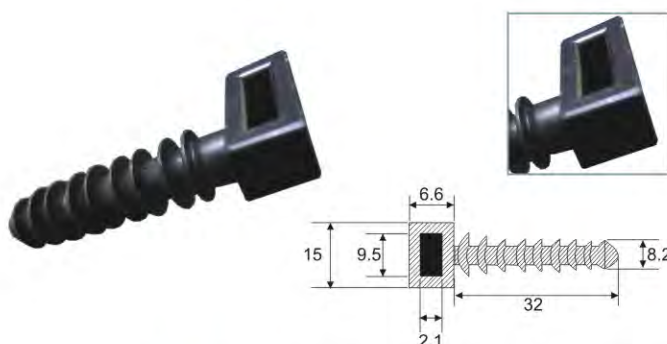
Operating Temperature : -25°C to +85°C.

Standard Packing : 100 Nos.

MOUNTING CABLE TIES

Novoflex Part No.	Length (mm)	Width (mm)	Thickness (mm)	Max. Cable Bundle Dia (mm)	Tensile Strength (Kg)
CPSM - 100	100	2.5	1.20	24	8 Kgs
CPSM - 150	150	3.6	1.20	35	14 Kgs
CPSM - 200	200	4.8	1.40	50	22 Kgs

NOVOFLEX SCREW CABLE TIE PLUG



Designed with a deep anchor, Novoflex Cable Tie Plug can go deep into your chassis / panel and provide unmatched support. Cable Ties can, then be used to secure cables.

Operating Temperature : -25°C TO +85°C.

Standard Colour : Black

Material : Nylon 6.6 (Polyamide)

SCREW CABLE TIE PLUG

Novoflex Part No.	Nominal Overall Length "L" (mm)	Max. Cable Tie Width "W" (mm)	Push Hole Dia (mm)	Standard Packing
CTP - 01	38.6	9.5	7.5	100 Nos.

NOVOFLEX EASY BEADED RELEASABLE CABLE TIE

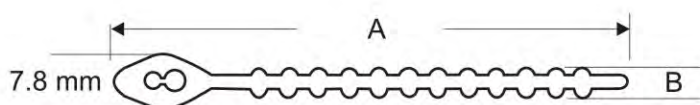


This design offers alternative degree of fixing, either as a temporary measure prior to completing the wiring process, or as a permanent bunching device. For modifications, the tie may be released and refastened easily. Ideal for use in places where wiring modification is required, or where changes are anticipated.

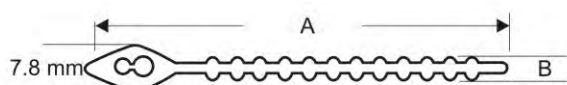
Standard Colour : Natural White & Black.

Material: LDPE.

Temperature : -20°C to +70°C.



Novoflex Part No.	length "A" (mm)	width "B" (mm)	Max. Cable Bundle Dia (mm)	Standard Packing
ET 80	80	2.5	14	100 Nos.
ET 120	120	2.5	26	100 Nos.



Novoflex Part No.	Length "A" (mm)	Width "B" (mm)	Max. Cable Bundle Dia (mm)	Standard Packing
ET 150B	150	2.7	35	100 Nos.
ET 200B	200	2.5	51	100 Nos.



Automotive



Aviation



White Goods

NOVOFLEX BEADED CABLE TIE



The one piece beaded cable tie can be assembled in different ways as per the requirements. The smooth rounded edges of the beads prevent the wires from slipping and being cut by the tie. Reusable, this tie is ideal for use where wiring modification and repair is required, or where changes are anticipated.

Standard Colour : Natural White.

Operating Temperature : -20°C TO +70°C.

Material : LDPE.



Novoflex Part No.	Length "A" (mm)	width "B" (mm)	Max. Cable Bundle Dia (mm)	Standard Packing
BT 164 PE	164	4	43	100 Nos.



Automotive



Electrical Industry

NOVOFLEX REUSABLE PUSH MOUNT CABLE TIE



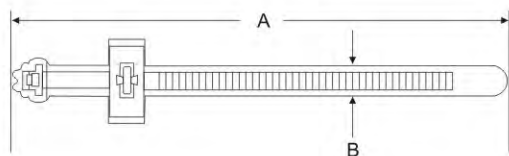
HALOGEN
FREE

Reusable Push Mount Cable Ties are an excellent bunching solution for automobile harness. Snap fits on chassis/panel hole. Labour saving.

Standard Colour : Black.

Operating Temperature : -25° C to +85° C.

Material : Nylon 6.6 (Polyamide)



Novoflex Part No.	Dimensions			Panel Thickness (mm)	Standard Packing
	Length "A" (mm)	Width "B" (mm)	Push Hole Dia (mm)		
CB 160	160	7.9	6.4	0.5-1.6	100 Nos

NOVOFLEX SCREW CLIP

Wire harness clip.

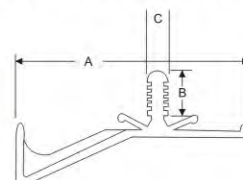
Press fit into 7.7 mm hole dia.

Panel thickness - 0.5-2.0 mm.

Standard Colour : Natural White.

Operating Temperature : -25° C to +85° C.

Material : Nylon 6 (Polyamide)



Novoflex Part No.	Dimensions			Standard Packing
	"A" (mm)	"B" (mm)	Hole Dia "C" (mm)	
HC 2(S)	90	12	7.7	100 Nos.

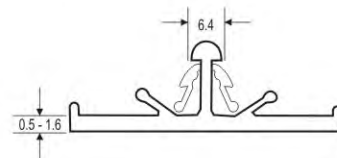
NOVOFLEX CABLE HARNESS CLIP

Designed to be taped onto a cable harness and pushed into a chassis / panel hole.

Standard Colour : Black.

Operating Temperature : -25° C to +85° C.

Material : Nylon 6 (Polyamide)



Novoflex Part No.	Mounting Hole size (mm)	Chassis / Panel Thickness (mm)	Standard Packing
HC1 (P)	6.4	0.5 - 1.6	100 Nos.

NOVOFLEX FIR TREE PUSH CLAMP



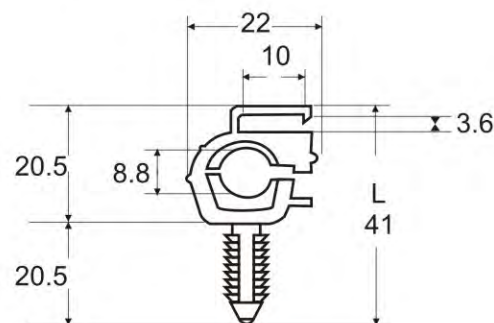
This Fir Tree push clamp is uniquely designed to secure cables / pipes to chassis by just pushing the clip through a hole dia of 6.8 mm and a panel thickness range of 0.7 - 11 mm without the aid of any fixing tool. Once clamped down, the internal locking feature engages to provide very strong retention force to offset both direct vertical and side to side load forces. The extended Fir Tree allows for a wide range of panel thickness. The staggered Fir Tree branch design provides low insertion forces and extraction forces.

APPLICATION :

The clip finds application in wire harness, automotive trucking and heavy equipment manufacturing industries.

Standard Colour : Black

Material : Nylon 6.6 (Polyamide)



Novoflex Part No.	Nominal Overall Length "L" (mm)	Panel Thickness (mm)	Push Hole Dia (mm)	Max. Cable / Pipe Bundle Dia (mm)	Standard Packing
FTC 01	41	0.7 - 12	6.8	8	100 Nos.



NOVOFLEX AUTO CABLE STRAP



An excellent strap for securing brake wires to bicycle/ motorcycle handles.

Versatile application - can be used anywhere.

Easy to use.

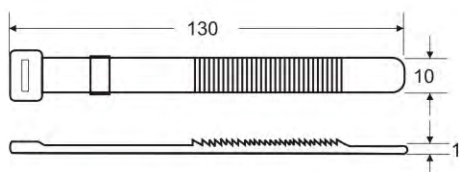
Reusable.

Buckle provided for binding and neat finish.

Standard Colour : Black. Available in other colours subject to minimum order quantity.

Operating Temperature : -25° C to 85° C.

Material : Nylon 6 (Polyamide)



Novoflex Part No.	Length (mm)	Width (mm)	Thickness (mm)	Standard Packing
ASB 130	130	10	1	100 Nos.

NOVOFLEX CABLE TRAY FIXING TIE



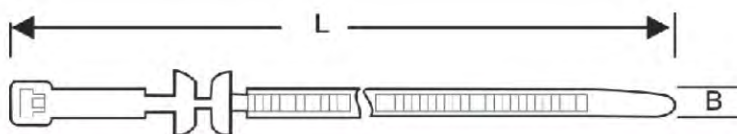
Designed to provide a convenient method of fixing cables to perforated cable trays. Supplied as a one piece tie, the two sections can easily be pulled apart and fixed on either sides of the tray, thus eliminating the need to access the rear of the tray.

Standard Colour : Natural White & Black.

Operating Temperature :-25°C TO +85°C.

Tensile Strength : 55 Kg.

Material : Nylon 6 (Polyamide).



Automotive



Electrical Industry

Novoflex Part No.	Nominal Overall Length (mm)	Strap width (mm)	Thickness (mm)	Min. Tensile Strength (Kg)	Max. Cable Bundle Dia (mm)	Standard Packing
CPT 360	360	7.6	1.2	55	102	100 Nos.

NOVOFLEX SPIROWRAP HARNESS BAND



An economical and easy way to apply cable harness that protects wires, cable tubings etc. from abrasion. It ensures a neat, quick and economical cable bundling. It is used mainly to create wire harnesses for electrical, electronic, telecommunication, automobile equipment wiring. When wrapping, the bundle of core branches can be taken out as required. Available to cover cable bundle diameter ranging from 1.5 mm to 178 mm.

Standard rolls of 30 meters.

Standard Colour : Ultra violet resistant Black / Natural White.

Operating Temperature :-20°C to +85°C.

Material: Nylon 6 (Polyamide).

Novoflex Part No.	Overall Diameter (mm)		Wall Thickness (mm)	Pitch (mm)	Suggested Bundle Diameter Range (mm)
SW 3	1 / 8	3.2	0.7	4.8	1.6 to 13
SW 6	1 / 4	6.4	0.8	9.5	4.8 to 51
SW 9	3 / 8	9.5	1.0	11.1	7.9 to 76
SW 12	1 / 2	12.7	1.0	12.7	9.5 to 101
SW 16	5 / 8	15.9	1.2	15.9	12.7 to 114
SW 19	3 / 4	19.0	1.5	19.0	5 to 127
SW 25	1	25.4	2.0	25.4	20.6 to 178

NOVOFLEX HOOK AND LOOP REUSABLE MAGIC TIES

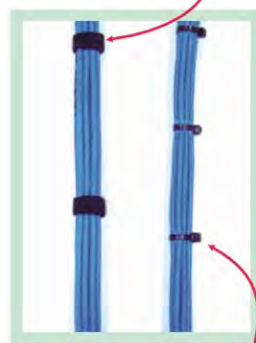


They secure the cables firmly without damaging the cables. They are releasable & reusable upto 400 times. They provide flexibility in insertion of additional wires in the bundle at a later stage due to changes in planning etc..

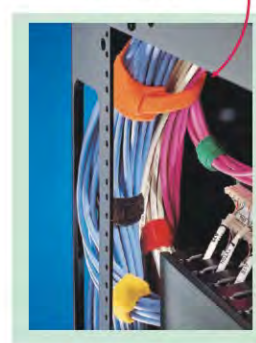
Standard Colour : Black.

Other colours available subject to MOQ.

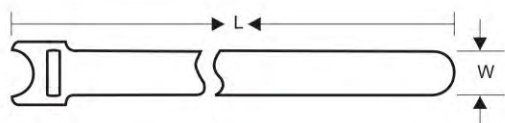
HOOK & LOOP Reusable



HOOK & LOOP Reusable



Nylon Cable Ties



Novoflex Hoop-Look Part No.	Length "L" (mm)	Width "W" (mm)	Thickness (mm)	Bundle Diameter (mm)	Standard Packing
HLM 130	130	12.5	1.70	35	10 Nos.
HLM 180	180	12.5	1.70	51	10 Nos.
HLM 205	205	12.5	1.70	59	10 Nos.

All dimensions in mm. Subject to technical change. Special size available on request.

NOVOFLEX MAGIC TIES IN ROLL FORM



These Hook & Loop Magic Ties come in a continuous Roll Form of 25 m each. They are gentle, but firm, on your cables, and are Reusable upto 400 times. You can simply cut the Roll according to your needs, and get on - site, tailor - made ties, which are just perfect for you. These are useful in situations where changes are anticipated, where you have requirements of varying sizes, or where you cannot predict your requirements.

Novoflex Part No.	Width (mm)	Length (mm)
HLM R 10	10	25
HLM R 20	20	25

NOVOFLEX STAINLESS STEEL TIES



FEATURES

High Tensile Strength ■ Weather Resistant ■ Resistant to a large number of aggressive chemicals ■ Material : Stainless Steel Grade SS316 ■ Corrosion Resistant ■ Anti - Magnetic.
 ■ Operating Temperature : - 80°C to + 538°C
 ■ Max Degree of Hardness : (VPN) 190

For Fixing Up to 12 mm wide Stainless Steel Ties.



High Quality Gun



High Tensile Strength



Heat Resistant



Weather Proof



Superior Corrosion Resistant



Chemical Resistant



Fire Resistant



UV Resistant



Flammability

NOVOFLEX Stainless Steel Cable Ties

Material	Chem. Material Properties	Operating Temperature	Flammability
Stainless Steel Type SS316	- Salt spray resistant - Corrosion resistant - Weather Resistant - Outstanding chemical resistant - Anti-magnetic	- 80°C to + 538° C	Non Burning

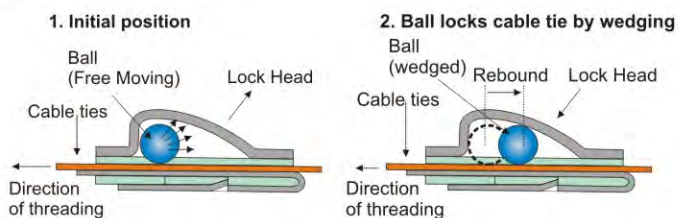
Novoflex Stainless Steel Ties have superior and high tensile strength and are made from corrosion resistant stainless steel grade 316. The unique and self locking mechanism gives easy and hassle free security in locking.

The stainless steel ties are a quick, efficient and ultimate way of securing cables in extreme conditions and hazardous areas. Used both in indoor and outdoor areas such as the Petrochemical, Ship building, Power Station, Food Processing Industries, Mining, Offshore and other aggressive environments.

Ensuring a long service life, these ties are Water, Chemical, UV radiation resistant and Non Flammable.

Locking Technology

The strap locks into the head by means of the small ball-bearing. The ball locks into the small end of the wedged shaped housing, forming a positive locking with the strap.

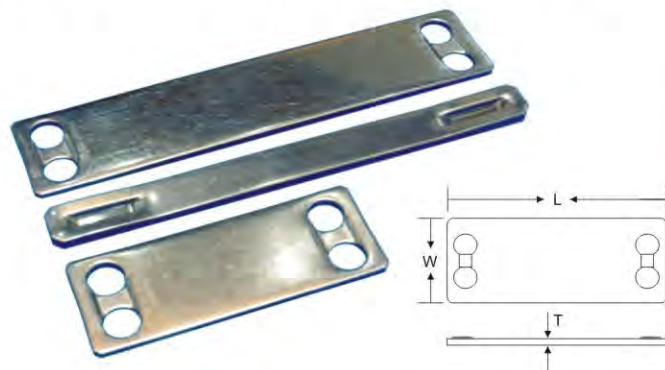


NOVOFLEX Stainless Steel Cable Ties

Novoflex Part No.	Length Size (mm)	Width (mm)	Thickness (mm)	Max. Dia (mm)	Tensile Strength (Kg)
SS 46 -100	100	4.6	0.22	26	55
SS 46 -150	150	4.6	0.22	35	55
SS 46 -200	200	4.6	0.22	51	55
SS 46 -290	290	4.6	0.22	75	55
SS 46 -360	360	4.6	0.22	102	55
SS 46 -520	520	4.6	0.22	152	55
SS 79 -200	200	7.9	0.22	51	105
SS 79 -290	290	7.9	0.22	75	105
SS 79 -360	360	7.9	0.22	102	105
SS 79 -520	520	7.9	0.22	152	105
SS 79 -680	680	7.9	0.22	203	105
SS 120 -360	360	12.0	0.22	102	210
SS 120 -520	520	12.0	0.22	152	210
SS 120 -680	680	12.0	0.22	203	210
SS 120 -840	840	12.0	0.22	254	210
SS 120 -1000	1000	12.0	0.22	290	210

NOVOFLEX EMBOSSABLE TAGS

High performance Tags for extreme environment



Novoflex Stainless Steel Embossable Tag offers permanent identification of Cable & Hose assemblies in extreme conditions such as Petrochemical, Shipping, Construction. Power etc.

NOVOFLEX Embossable Steel Tag

Novoflex Part No.	Length Size (mm)	Width (mm)	Thickness (mm)	Standard Packing
SST 0875	75	8	0.50	100 Nos.
SST 0890	90	8	0.50	100 Nos.
SST 08130	130	8	0.50	100 Nos.
SST 10115	115	9.9	0.50	100 Nos.
SST 1950	50	19	0.50	100 Nos.
SST 1990	90	19	0.50	100 Nos.
SST 3836	63	38	0.50	100 Nos.

NOVOFLEX POLYESTER COATED STAINLESS STEEL CABLE TIES

High performance ties for extreme environment

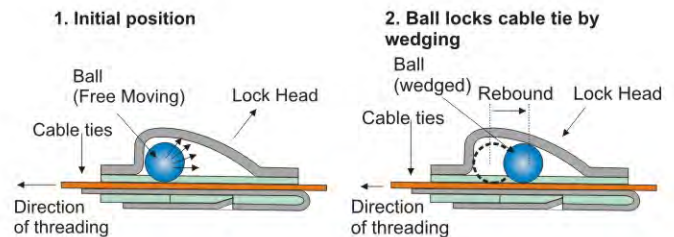


Locking Technology

The strap is locks into the head by means of the small ball-bearing. The ball lock into the small end of the wedged shaped housing, forming a positive locking with the strap.

Novoflex Polyester-Coated Stainless Steel Ball - lock Cable Ties provide greater safety than other stainless steel cable ties by featuring a low-smoke, halogen - free polyester coating, which releases fewer toxins if burned. Additional safety features include rolled edges on the strap, which eliminates the risk of damage to cables and injury to installers. The polyester coating also provides the cable ties, constructed of marine-grade SS316 stainless steel, with additional protection against corrosion, impact, abrasion and cracking. Polyester-Coated Stainless Steel Ball-Lock Cable Ties are also resistant to extreme temperatures, with an operating range of - 50°C to + 150°C.

These products are ideal for the demanding applications of offshore drilling rigs, Petroleum Refineries, Shipyards and Chemical Processing Plants. The unique design features and materials also reduce risk to personal safety and cable integrity.



For Fixing Up to 12 mm wide Stainless Steel Ties

HIGH QUALITY GUN



TG - 03

			
High Tensile Strength	Heat Resistant	Weather Proof	Superior Corrosion Resistant
			
Chemical Resistant	UV Resistant	Halogen Free Coating	

NOVOFLEX Polyester Coated Stainless Steel Cable Ties

Novoflex Part No.	Length Size (mm)	Width (mm)	Thickness (mm)	Max Dia (mm)	Tensile Strength (Kg)
SS 46-100 C	100	4.6	0.38	26	55
SS 46-150 C	150	4.6	0.38	35	55
SS 46-200 C	200	4.6	0.38	51	55
SS 46-290 C	290	4.6	0.38	75	55
SS 46-360 C	360	4.6	0.38	102	55
SS 46-520 C	520	4.6	0.38	152	105
SS 79-200 C	200	7.9	0.38	51	105
SS 79-290 C	290	7.9	0.38	75	105
SS 79-360 C	360	7.9	0.38	102	105
SS 79-520 C	520	7.9	0.38	152	105
SS 79-680 C	680	7.9	0.38	203	105
SS 120-360 C	360	12.0	0.38	102	210
SS 120-520 C	520	12.0	0.38	152	210
SS 120-680 C	680	12.0	0.38	203	210
SS 120-840 C	840	12.0	0.38	254	210
SS 120-1000 C	1000	12.0	0.38	290	210

Material	Chem. Material Properties	Operating Temperature Range for Coating	Operating Temperature Range for Tie
Stainless Steel Type SS316 Polyester Coated	- Salt spray resistant - Corrosion resistant - Weather Resistant - Chemical resistant - Anti-magnetic	- 50°C to + 150°C Coating	- 80°C to + 538°C

The Stainless Steel Ties continue to provide secure fastening even in temperature conditions beyond the capacity of the coating.

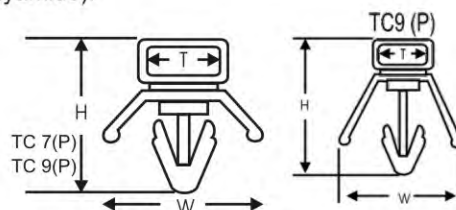
NOVOFLEX PUSH MOUNT TIE MOUNT



Novoflex Push Mount Tie Mounts are used to anchor wire bundles or cables to walls, ceiling, plates, panels, or any other structure. To use, simply push the anchor through a hole, securely fastening the Mount there. Stability wings on the side of the head provide a solid, Firm Installation. Cable Ties can then be passed through the slot provided at the base of the Mount to secure wire bundles.

Standard Colour : Natural White.

Material: Nylon 6 (Polyamide).



Novoflex Part No.	Size H x W (mm)	Mounting Method (mm)	For Max. Cable Tie Width "T" (mm)	Suitable For Plate Thickness (mm)
TC 7 (P)	19 x 20	Push Mount in 6.4 mm hole Dia	8.0	1.8 - 2.3
TC 9 (P)	25.8 x 20.5	Push Mount in 9 mm hole Dia	8.0	8 - 11



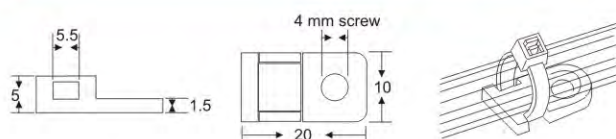
NOVOFLEX SCREW FIXING TIE MOUNTS



Screw Fixing Tie Mounts are easy to install with a screw or bolt, particularly in areas of high vibration. Single hole fixing with two-way entry for cable tie fixing. These products are designed for simple, yet robust, installation in a wide variety of applications. Particularly used in telecoms equipment, switchgear and control cabinets. To apply, simply fix the Mount to the desired surface with a screw, and secure wire bundles with Cable Ties.

Operating Temperature : -25°C to + 85°C.

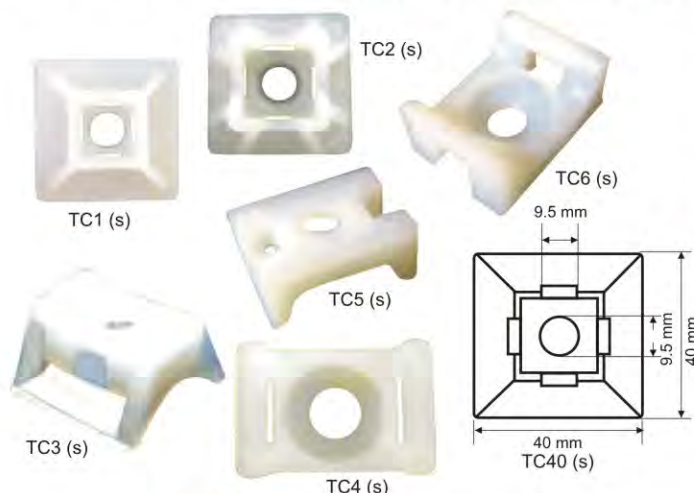
Material : Nylon 6 (Polyamide).



SCREW FIXING TIE MOUNTS

Novoflex Part No.	Size L x B x H (mm)	Mounting Method	For Max. Cable Tie Width (mm)	Standard Packing
TC 10 (S)	20 x 10 x 5	4 mm Screw	5.5	100 Nos.

NOVOFLEX SCREW TYPE TIE MOUNTS



Screw Type Tie Mounts are used to anchor wire bundles to walls, ceilings, plates, panels, or any other structure. The Saddle Design provides Maximum Stability to wire bundles. To apply, simply fix the Mount to the desired surface with a screw, and secure wire bundles with Cable Ties.

Novoflex Part No.	Size L x B x H (mm)	Mounting Method (mm)	For Max. Cable Tie Width "W" (mm)	Standard Packing
TC1 (S)	28x28x5.2	5 mm screw	5.5	100 Nos.
TC2 (S)	19x19x6.1	4 mm screw	5.5	100 Nos.
TC3 (S)	13x12x7.2	3 mm screw	8.5	100 Nos.
TC4 (S)	22.5x16x9.8	6 mm screw	8.5	100 Nos.
TC5 (S)	15x9.4x6.8	3 mm screw	5	100 Nos.
TC6 (S)	17.8x12.7x8.20	4 mm screw	5	100 Nos.
TC40 (S)	40x40x7.2	6.4 mm screw	9.5	100 Nos.

NOVOFLEX ADHESIVE BACKED TIE MOUNTS

Novoflex Adhesive Backed Tie Mounts are used to anchor wire bundles or cables to walls, ceiling, plates, panels, or any other structure. No tool is required for installation. Simply place the Adhesive Backed Mount on the desired surface, and secure the cables with ties.

The Continuous Straight Pull Load : 1Kg / square inch (25.4mm) of adhesive.

Operating Temperature for Adhesive : Upto 52°C.

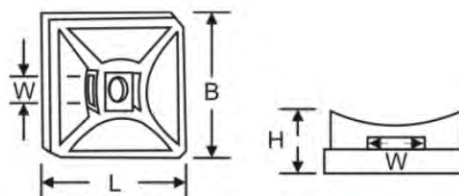
Material : Nylon 6 (Polyamide).



Tie Mounts



**Excellent
Adhesive Strength**



ADHESIVE BACKED TIE MOUNTS

Novoflex Part No.	Size L x B x H (mm)	Mounting Method	For Max. Cable Tie Width "W" (mm)	Standard Packing
TC1 (A)	28x28x6.2	Adhesive Foam Tape	5.5	100 Nos.
TC2 (A)	19x19x7.1	Adhesive Foam Tape	4.0	100 Nos.
TC12 (A)	13x13x5.5	Adhesive Foam Tape	2.5	100 Nos.
TC40 (A)	40x40x8.2	Adhesive Foam Tape	9.5	100 Nos.

NOVOFLEX TIE MOUNTS & CLAMPS



Adjustable Cable Clamp

It is a one piece pressure sensitive adhesive clamp designed to reduce the time spent on electrical and electronic wiring installation and to provide a system which is absolutely foolproof, simple, safe and permanent in operation. It is widely used for securing wires and cables, or fixing and holding capacitors and electronic components of various sizes, diameters and shapes. The Ladder style fastening tie can be released and easily refastened. It can be mounted in two ways, using adhesive tape backing or screw - in. Available for cable bundle diameter ranging from 5 mm to 35 mm.

Standard Colour : Natural White.

Operating Temperature : - 25°C + 85°C.

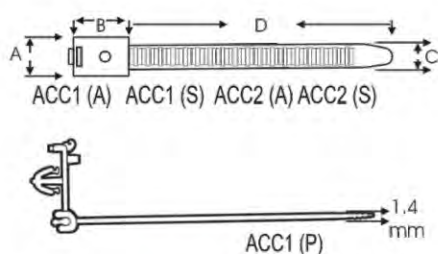
Material : Nylon 6 (Polyamide).

Installation Instruction for Self Adhesive Mounting Bases

*Surface must be dry, free from dust, oil, oxides, parting agents and impurities.*Surface must be cleaned using a clean cloth and isopropanol/water (50/50) * After cleaning, allow surface to dry completely.*Peel off protective backing and ensure the adhesive is not touched.*Press down firmly on the base for several seconds. Let the adhesive bond completely with the surface.

ADHESIVE BACKED ADJUSTABLE CABLE CLAMP

Novoflex Part No.	Mounting Method	Cable Dia Range (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Screw Hole Dia (mm)	Standard Packing
ACC1 (A)	Adhesive	5 to 21	21	30	12	80	3.6	100 Nos.
ACC1 (S)	Screw	5 to 21	21	30	12	80	3.6	100 Nos.
ACC1 (P)	Push Mount	5 to 35	21	30	11	126	6.3	100 Nos.
ACC2 (S)	Screw	5 to 35	21	30	12	126	3.6	100 Nos.
ACC2 (A)	Adhesive	5 to 35	21	30	12	126	3.6	100 Nos.



NOVOFLEX POWER CORD TIE



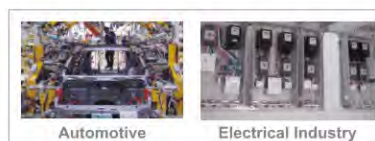
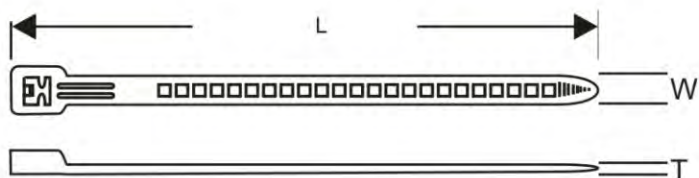
It provides a new convenience for holding mains cord and Power Cords. These are designed for fast and easy assembly and provide a neat, compact finish. Available in six (6) standard styles for Cable bundle diameters ranging from 14 to 77 mm.

Standard Colour : Natural White and Black.

Operating Temperature : -20°C TO +70°C

Material : Nylon 6 (Polyamide)

Novoflex Part No.	Length "L" (mm)	Width "W" (mm)	Max. Cable Bundle Dia (mm)	Thickness "T" (mm)	Standard Packing
PCT 200	200	8.7	50	1.6	100 Nos.
PCT 260	260	8.7	77	1.8	100 Nos.
KST 160	160	10	35	2.2	100 Nos.
HLT 88	88	6	14	1.1	100 Nos.
PLT 210	210	8	45	2.1	100 Nos.



Automotive

Electrical Industry

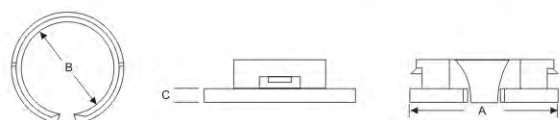
NOVOFLEX OPEN CLOSE BUSHING



Open / Close Bushings are designed to insulate and isolate electric or communication cables as well as RPM shafts and pull out rods. Its split design allows side entry and encirclement of pre-assembled harnesses, capillary tubes or other assemblies that have segments larger than the bushing's ID.

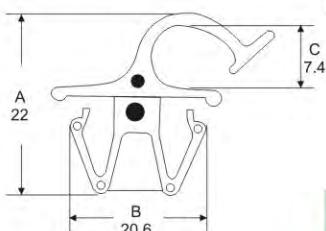
Operating Temperature : -20°C to +85°C.

Material : Nylon 6 (Polyamide)



Novoflex Part No.	A (mm)	B (mm)	C (mm)	Standard Packing
OCB - 104	18.0	10.4	10.5	100 Nos.
OCB - 175	24.6	17.5	5.6	100 Nos.

NOVOFLEX LED PUSH MOUNT CLIP



Led Push Mount Clip is designed for use on LCD/LED Television. Monitor and other electronic equipments to hold the power cords or wires securing / protecting from loose overhanging.

Standard Colour: Black

Operating Temperature : -20°C to +85°C.

Material : Nylon 6 (Polyamide)

Novoflex Part No.	A (mm)	B (mm)	C (mm)	Standard Packing
LPC 01	22	20.6	7.4	100 Nos.

NOVOFLEX ADHESIVE BACKED CABLE HANGER CLIP



Designed to secure cables or harnesses where fixing holes are impractical, the snap in action secures the cables and takes minimum assembly time. Installation is easy - just peel off the release paper and press firmly on any clean & smooth surface.

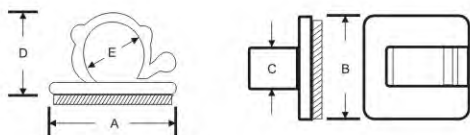
Standard Colour : Natural White.

Operating Temperature : -25° C to +85° C.

Material : Nylon 6 (Polyamide)

Installation Instruction for Self Adhesive Mounting Base

- Surface must be dry, free from dust, oil, oxides, parting agents and impurities.
- Surface must be cleaned using a clean cloth and isopropanol / water (50 / 50).
- After cleaning, allow surface to dry completely.
- Peel off protective backing and ensure the adhesive is not touched.
- Press down firmly on the base for several seconds. Let the adhesive completely with the surface.



NOVOFLEX ADHESIVE BACKED CABLE HANGER CLIP

Novoflex Part No.	"A" (mm)	"B" (mm)	"C" (mm)	"D" (mm)	"E" (mm)	Standard Packing
CKA-5	25	25	12.5	20	19.5	100 Nos.

NOVOFLEX ADHESIVE BACKED CABLE GUIDE CLIP

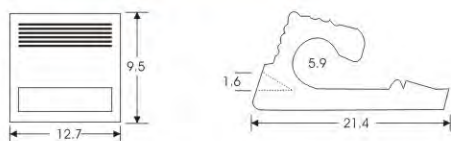


Designed to guide 6.4 mm (1 / 4") dia RG/U type TV cable. This clip is also used for guiding or fixing cables in electrical / electronic / communication equipments. Available in natural colour with high quality self adhesive backing for quick and permanent installation.

Standard Colour : Natural White.

Operating Temperature : -25° C to +85° C.

Material : Nylon 6 (Polyamide)



ADHESIVE BACKED CABLE GUIDE CLIP

Novoflex Part No.	Mounting Method	Max Cable Tie Width	Standard Packing
TVCG 1 (A)	Adhesive	6.4 mm	100 Nos.

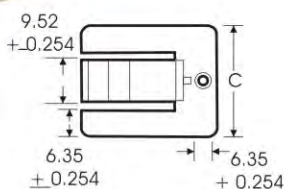
NOVOFLEX ADHESIVE BACKED FLAT RIBBON CABLE CLAMP



A practical, fast way to mount any size of flat ribbon cable. These adhesive backed, or screw mounted clips securely hold flat or ribbon cables. Cables can be removed for rerouting or replacement if desired. Can accommodate stacked cables too. Its flexible tension range can hold more than one ribbon cable.

Standard Colour : Natural White.

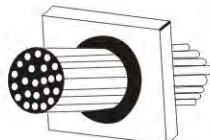
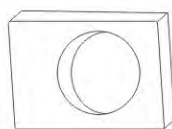
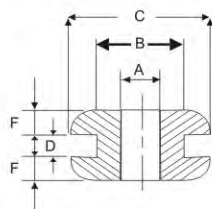
Operating Temperature : -25° C to +85° C.



ADHESIVE BACKED FLAT RIBBON CABLE GUIDE CLAMP

Novoflex Part No.	Mounting Method	"A" (mm)	"B" (mm)	"C" (mm)	"D" (mm)	Standard Packing
FRC (A)	Adhesive	20.50	30.40	25.40	3.50	100 Nos.
FRC (S)	Screw	20.50	30.40	25.40	3.50	100 Nos.

NOVOFLEX FLEXIGUARD GROMMET RINGS



These Grommet rings are designed to simply snap into holes and protect wires and cable cords against damage from sharp edges. These flexible rings, made from special purpose PVC also insulate holes in steel sheets and offer superior resistance against fluids, mineral oils, aromatic fuels, vegetable oils, ozone and ageing.

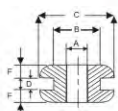
Standard Colour : Black

Operating Temperature :-20°C to +70°C

Material : Special Purpose soft PVC.

Novoflex Part No.	Cable Dia "A" (mm)	Panel Hole Dia "B" (mm)	Grommet Outer Dia "C" (mm)	Panel Sheet Thickness "D" (mm)	Thickness "F" (mm)	Standard Packing
GR 05	2.5	6.5	8.0	1.5	1.5	100 Nos.
GR 06	4	6.4	9.6	1.6	1.8	100 Nos.
GR 08	5.5	8	11	2.0	2.0	100 Nos.
GR 10	6	10	13	1.6	1.8	100 Nos.
GR 11	6.0	10.0	12	3.2	2.0	100 Nos.
GR 13	8	13	16	1.6	2.4	100 Nos.
GR 13A	9.5	13	17	1.8	2.9	100 Nos.
GR 16	11	16	19	1.6	2.4	100 Nos.
GR 20	13	20	25	1.6	2.4	100 Nos.
GR 25	22	25	32	1.6	3.2	100 Nos.
GR 30	27	30	46	3.2	2.0	100 Nos.
GR 38	32	38	52	3.2	2.0	100 Nos.

NOVOFLEX FLEXIGUARD CLOSE GROMMET RINGS



These Grommet rings are designed to simply snap into holes and protect wires and cable cords against damage from sharp edges. These flexible rings, made from special purpose PVC also insulate holes in steel sheets and offer superior resistance against fluids, mineral oils, aromatic fuels, vegetable oils, ozone and ageing.

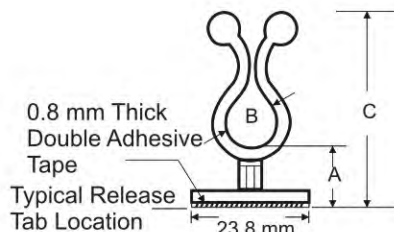
Standard Colour : Black

Operating Temperature :-20°C to +70°C.

Material : Special purpose soft PVC.

Novoflex Part No.	Cable Dia "A" (mm)	Panel Hole Dia "B" (mm)	Grommet Outer Dia "C" (mm)	Panel Sheet Thickness "D" (mm)	Thickness "F" (mm)	Standard Packing
GR 06 C	4	6.4	9.6	1.6	1.8	100 Nos.
GR 10 C	6	10	13	1.6	1.8	100 Nos.
GR 13 C	8	13	16	1.6	2.4	100 Nos.
GR 16 C	11	16	19	1.6	2.4	100 Nos.
GR 20 C	13	20	25	1.6	2.4	100 Nos.
GR 25 C	22	25	32	1.6	3.2	100 Nos.
GR 30 C	27	30	46	3.2	2.0	100 Nos.
GR 38 C	32	38	52	3.2	2.0	100 Nos.

NOVOFLEX SELF ADHESIVE TWIST CLIP



This clip is designed to fit wires and keep them away from hot components on the board. The adhesive backed clip is installed quickly and wires can easily be routed or rerouted.

Standard Colour : Natural White .

Operating Temperature :-25°C to +85°C.

Material : Nylon 6 (Polyamide).

Novoflex Part No.	Dimensions			Standard Packing
	"A" (mm)	"B" (mm)	"C" (mm)	
SKA - 5	8.3	10.2	36.8	100 Nos.



Automotive

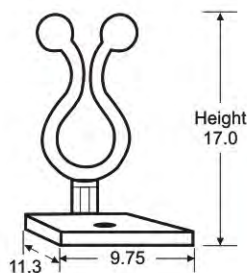


Aviation



White Goods

NOVOFLEX FIXED TWIST CLIP



This twist clip comes with an anchoring provision to neatly fix the running wires to a chassis with a screw.

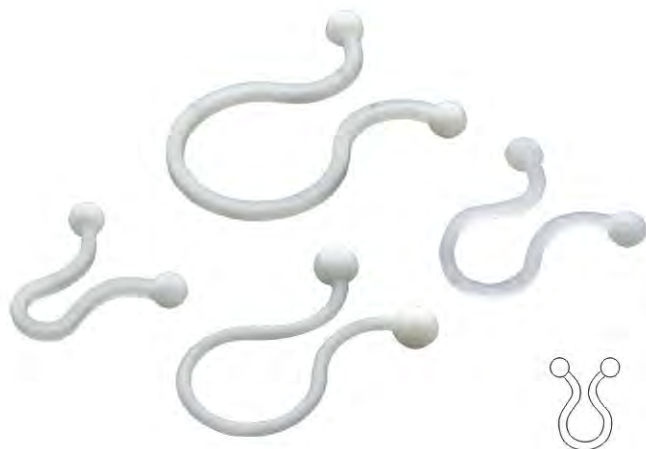
Standard Colour : Natural White .

Operating Temperature :-25°C to +85°C

Material : Nylon 6 (Polyamide).

Novoflex Part No.	Cable Dia (mm)	Hole Dia (mm)	Colour	Standard Packing
SKS - 10	6.0	4.7	Natural White	100 Nos.

NOVOFLEX TWIST CLIP



They provide a new convenience in initial assembly of wires, plus versatility for easy inspection, removal, repair or changing of wires. Wire bundles are secured in moments with a fingertip twist. These clips cut costs by speeding assembly. Available in 5 standard sizes covering cable bundle diameter ranging from 4.0 to 20.3 mm.

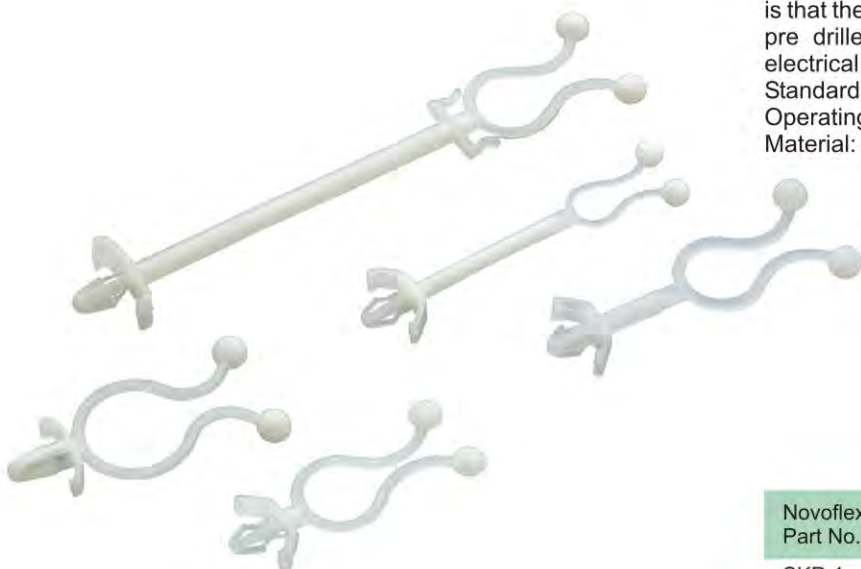
Standard Colour : Natural White.

Operating Temperature :-25°C to +85°C.

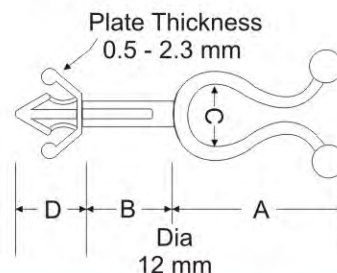
Material : Nylon 6 (Polyamide).

Novoflex Part No.	Bundle Diameter Range (mm)	Standard Packing
KK 00	12.0 - 15.0	100 Nos.
KK 0	17.8 - 20.3	100 Nos.
KK 1	10.0 - 12.7	100 Nos.
KK 2	7.6 - 10.0	100 Nos.
KK 3	4.0 - 7.5	100 Nos.

NOVOFLEX STAND OFF TWIST CLIPS



Designed to lift wires off board to avoid hot components and minimize transient interference. Cable & wire bundles can be secured simply by a fingertip twist. The main feature of these clips is that they can be installed easily & quickly by just pushing into a pre drilled hole in PCB frame, chassis, sidewall electronic/ electrical equipment in moments. Available in 6 standard sizes.
Standard Colour : Natural White
Operating Temperature : -25° C to 85°C.
Material: Nylon 6 (Polyamide).

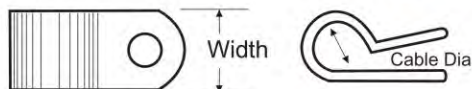


Novoflex Part No.	Dimension in mm				Hole Dia (mm)	Standard Packing
	"A"	"B"	"C"	"D"		
SKP-1	24	4.4	10	10	4.76	100 Nos.
SKP-2	27	18	12	10	4.76	100 Nos.
SKP-3	18	31.5	5.5	10	4.76	100 Nos.
SKP-6	30	68	11	12	4.76	100 Nos.
SKP-9	30	2.5	15	12	4.76	100 Nos.
SKP-10	38	13	19	11	6.40	100 Nos.

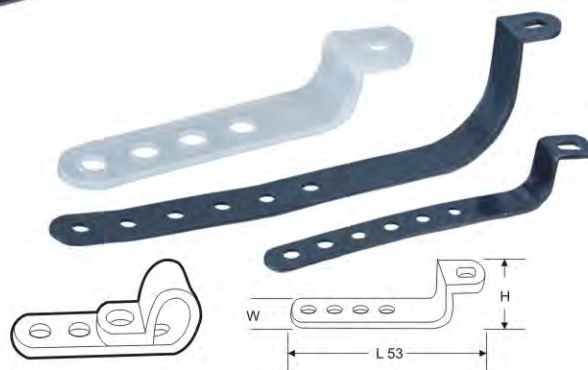
NOVOFLEX FIXED P-CLIPS / ADJUSTABLE P-CLIPS



Designed for fixing cables, tubes, component in domestic / industrial appliances, instruments, electronic and electrical appliances and machines. They are non - corrosive and ideal for both interior and exterior installation works. They are rust proof, weather proof, rot proof.
Standard Colour : Black and Natural White .
Operating Temperature : -25°C TO +85°C.
Material: Nylon 6 (Polyamide).

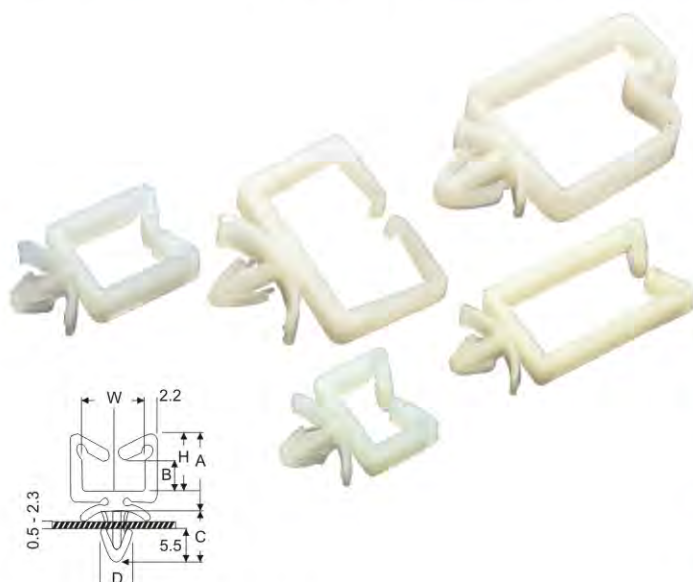


Novoflex Part No.	Dimensions (mm)			Standard Packing
	Cable Dia	Width	Screw Hole	
NP XX	1.5	6.5	3.0	100 Nos.
NP 0X	3.2	6.5	3.2	100 Nos.
NP 00	4.5	6.5	3.2	100 Nos.
NP 11	6.0	6.5	4.0	100 Nos.
NP 13	7.5	9.5	4.0	100 Nos.
NPV 14	8.0	9.5	5.0	100 Nos.
NP 15	9.0	9.5	4.0	100 Nos.
NP 17	10.5	9.5	4.0	100 Nos.
NP 19	12.5	9.5	4.0	100 Nos.
NP 34	19	12	4.0	100 Nos.



Novoflex Part No.	Dimensions (mm)				Standard Packing
	Cable Dia (mm)	Length "L"	Width "W"	Height "H"	
NSP 1	5 to 12	53	9	4.2	100 Nos.
NSP 2	7 to 26	103	12	5.2	100 Nos.
NSP 3	24 to 45	153	15	5.2	100 Nos.

NOVOFLEX PUSH MOUNT WIRE HOLDER



It's a novel means to channel, route, fix, anchor or harness a single or group of bundle of wires for a wide range of usage in electronic, electrical, communication and automobile industry. It can be easily snapped into drilled or punched holes of 4.8 mm diameter in a PCB or metal chassis of thickness from 0.5 mm to 2.3 mm, where it locks firmly and permanently in place. Available in six standard sizes.

Standard Colour : Natural White.

Operating Temperature : -25° C to +85° C

Material: Nylon 6 (Polyamide).

Novoflex Part No.	Height "H" (mm)	Bundle Diameter Range				Hole Dia "D" (mm)	Standard Packing
		"A" (mm)	"B" (mm)	"C" (mm)	"W" (mm)		
WH 5	9.5	13	5	8.2	11.1	4.8	100 Nos.
WH 10	14.7	18.2	10.2	8.2	11.1	4.8	100 Nos.
WH 19	23.7	27.2	19.2	8.2	11.1	4.8	100 Nos.
WH 27	31.7	35.1	27.1	8.2	11.1	4.8	100 Nos.
WHH 13	15.7	20.2	13.1	12.6	24	4.8	100 Nos.
WHS 20	28.5	31.3	20.5	13.0	20	6.4	100 Nos.

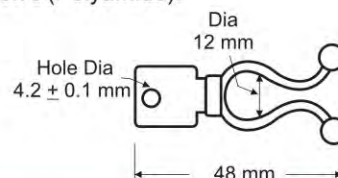
NOVOFLEX HINGED TWIST CLIP



It is designed for routing wires to any direction. Simply twist to open and close for wiring change and repairs. It is mounted securely with a single screw.

Standard Colour : Natural White.

Material: Nylon 6 (Polyamide).



Novoflex Part No.	Dimensions			Standard Packing
	"A" (mm)	"B" (mm)	"C" (mm)	
SKS-4	8.3	10.2	36.8	100 Nos.

NOVOFLEX HINGED STAND OFF TWIST CLIP

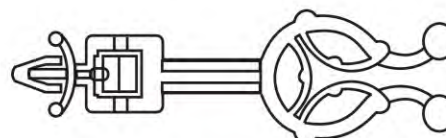


Designed to lift wires off board to avoid hot components and minimize transient interference. Cable & wire bundles can be secured simply by a fingertip twist. Arrowhead design snap locks into a 4.8 mm diameter hole. Hinged design eases installation in otherwise hard to reach places.

Standard Colour : Natural White.

Operating Temperature : -25° C to +85° C.

Material: Nylon 6 (Polyamide).



Novoflex Part No.	Hole Diameter (mm)	Standard Packing
SKH 7	4.8	100 Nos.

NOVOFLEX PG THREAD CABLE GLAND

Polyamide cable glands to protect cables from breakage / right angle bending. Used for fixation of flexible cable and wires on portable application, on moving parts of machinery and where electrical apparatus is used.

Standard Colour : Ultra violet resistant Black (RAL 9005), Light Grey (RAL 7035)

Continuous Operating Temperature :-20°C to +85°C.

Intermittent Temperature : Up to 100°C (for 500 hours)

Higher Continuous temperature upto 115°C also available.

Material : Nylon 6.6. (Polyamide)

Inside Seal & O Ring : Rubber

Thread Spec : PG.

IP 66 Rating with optional additional O Ring .

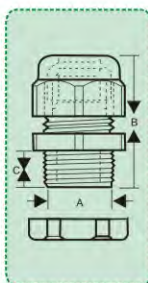
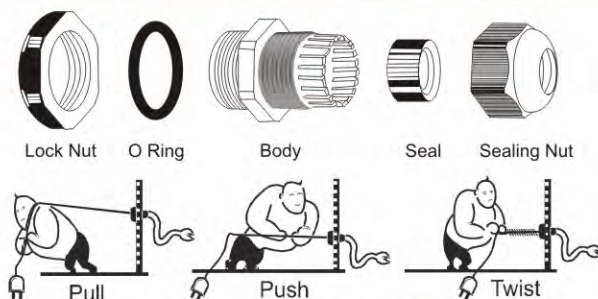
APPLICATION:

- Mount the body to pre-drilled hole and complete the fixing with locking nut.
- Insert the cable through body and inner seal. Finally attach the upper sealing nut until it snugly holds the cable tightly. The inner mechanism on the gland automatically contracts and grips the cable.



PG THREAD CABLE GLANDS

Novoflex Gland Part No.	Panel Hole Dia "A" (mm)	Overall Length "B" (mm)	Thread Length "C" (mm)	Cable Sealing Range (mm)	
				Min.	Max.
PG - 7	13	33	9	3	7
PG - 9	16.0	34	9	4	9
PG - 11	18.5	38	10	5	11
PG - 13.5	20.5	40	10	6	12
PG - 16	22.5	42	11	10	14
PG - 21	28.3	48	12	13	18
PG - 25	30	52	12	16	21
PG - 29	37	52	13	18	25
PG - 36	47	64	15	20	32
PG - 42	54	64	15	30	39
PG - 48	59.3	67	16	34	44
PG - 63	70	98	27	42	51



- Water Tight ● Easy Assembly ● Good Strain Relief
- Wide Clamping Range ● Multi Purpose Application.

TECHNICAL DATA

- Suitable for unarmoured, Plastic insulated cables ● Operating Temperature : -25° C to +85° C ● Deflection temperature under load at 66 psi 151° C ● Tensile strength 595 Kg/cm2 ● Volume resistivity 1.5 x 10¹² ohm-cm ● Automatic Centering & Fixing
- Corrosion resistant ● Vibration Proof ● Indoor or Outdoor use
- Minimum Assembly time ● Non-Magnetic, non-conductive
- Economically Priced ● Compact Streamline Construction
- Maximum Cable Diameters ● Wide range of cable Diameters
- Impact Resistant ● High stability ● Resistant to Salt water, gasoline, alcohol, oil, grease, Ester Ketone ether, benzene, common solvent, weak acids & weak alkalies ● High Tensile Strength ● Self Extinguishing ● Self lubricating



NOVOFLEX MG METRIC THREAD CABLE GLAND

Polyamide cable glands to protect cables from breakage / right angle bending. Used on cable and wires on portable application, on moving parts of machinery and where electrical apparatus is used. It provides protection against conductor damage ensuring that the appliance will continue to work.
Standard Colour : Ultra violet resistant Black .
Operating Temperature : -20°C to +85°C.
Material : Nylon 6. (Polyamide).



TECHNICAL DATA

- Suitable for unarmoured, Plastic insulated cables
- Operating Temperature : -25° C to +85° C
- Deflection temperature under load at 66 psi 151° C
- Tensile strength 595 Kg/cm² • Volume resistivity 1.5 x 10¹² ohm-cm • Automatic Centering & Fixing
- Corrosion resistant • Vibration Proof • Indoor or Outdoor use • Minimum Assembly time • Non-Magnetic, non-conductive • Economically Priced
- Compact Streamline Construction • Maximum Cable Diameters • Wide range of cable Diameters
- Impact Resistant • High stability • Resistant to Salt water, gasoline, alcohol, oil, grease, Ester • Ketone
- ether, benzene, common solvent, weak acids & weak alkalis • High Tensile Strength • Self Extinguishing
- Self lubricating

MG METRIC CABLE GLAND

Novoflex Part No.	Entry Thread Metric	Mounting Hole Dia (mm)	Cable Sealing Range		Standard Packing
			Min. (mm)	Max. (mm)	
MG 12	M 12 x 1.25	12.5	3	6.5	100 Nos
MG 16	M 16 x 1.5	16.5	5	10	100 Nos
MG 20	M 20 x 1.5	20.5	9	14	100 Nos
MG 25	M 25 x 1.5	25.5	13	18	100 Nos
MG 32	M 32 x 1.5	33	18	25	100 Nos
MG 40	M 40 x 1.5	41	22	32	100 Nos

NOVOFLEX STRAIN RELIEF CABLE GLANDS



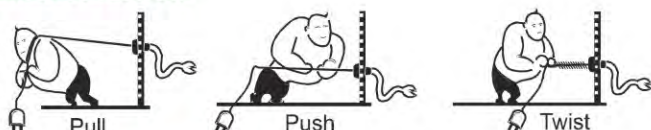
Polyamide cable glands with spiral to protect cables from breakage / right angle bending. Used on flexible cable and wires on portable application, on moving parts of machinery and where electrical apparatus is used. Soft, Springy spiral provides protection against conductor damage ensuring that the appliance will continue to work.

Standard Colour : Ultra violet resistant Black .
Operating Temperature : -20°C to +85°C.
Material : Nylon 6. (Polyamide).

Novoflex Part No.	Entry Thread Metric (mm)	Mounting Hole Dia (mm)	Cable Sealing Range		Standard Packing
			Min. (mm)	Max. (mm)	
MG 12 SR	M 12 x 1.25	12.5	3	6.5	100 Nos
MG 16 SR	M 16 x 1.5	16.5	5	10	100 Nos
MG 20 SR	M 20 x 1.5	20.5	9	14	100 Nos
MG 25 SR	M 25 x 1.5	25.5	13	18	100 Nos

Novoflex Gland Part No.	Panel Hole Dia (mm)	Sealing Range		Standard Packing
		Min. (mm)	Max. (mm)	
PG 9 SR	16	4	8	100 Nos
PG 11 SR	18	5	10	100 Nos
PG 13.5 SR	20.5	10	12	100 Nos
PG 16 SR	22.5	10	14	100 Nos

PROTECTS FROM



NOVOFLEX CONDUIT CABLE GLANDS



Conduit Cable Glands have a Special Clamping Ring and Seal Design with Time - Saving Head Assembly Facilities, and a House Clamp Range. They are Resistant to Water, Dust, Salt, Most Acids, Alcohol, Oil, Fat and General Solvents, and are Particularly Strong in Anti - Rally. To use, simply fix upon the Conduit.

Standard Colour : Black

Working temperature : -40°C - 100°C.

Intermittent Temperature : 120°C.

Material : P.A

Novoflex Part No.	Thread Size (mm)	Mounting Hole Dia (mm)	Suitable Size (mm)	Colour	Standard Packing
FPG - 7	PG 7	12.5	NFC 65	Black	100 Nos.
FPG - 9	PG 9	15.2	NFC 100	Black	100 Nos.
FPG - 11	PG 11	18.6	NFC 120	Black	100 Nos.
FPG - 13.5	PG 13.5	20.4	NFC 143	Black	100 Nos.
FPG - 16	PG 16	22.5	NFC 170	Black	100 Nos.
FPG - 21	PG 21	28.3	NFC 230	Black	100 Nos.
FPG - 29	PG 29	37	NFC 290	Black	100 Nos.
FPG - 36	PG 36	47	NFC 360	Black	100 Nos.
FPG - 48	PG 48	59.3	NFC 480	Black	100 Nos.

NOVOFLEX NYLON FLEXIBLE CONDUITS



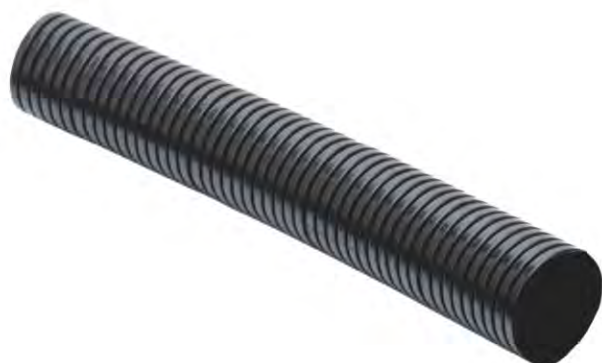
These Nylon Flexible Conduits are used in Machinery Building, Electrical Insulating Protection, Automobile Manufacturing, Flight Equipments, Metro, Trains and Automatic Control, etc. For Total Protection of your running Wires and Cables from High Temperature, Abrasion, Pressure, Dust, Friction, etc. They have a high Load Bearing Capacity they do not crack or deform even under heavy weights. They can promptly recoil with no damages. They have unique Flexibility and bending performance, and are Resistant to most acids, Lubricants, Coolants, Twisting and Abrasion. To use, just insert the Cables or Wires into the pipe, and attach Cable Glands.

Standard Colour : Black

Working temperature : -40°C - 125°C.

Intermittent Temperature : 140°C.

Material : P.A



Novoflex Part No.	Inner Dia (mm)	Outer Dia (mm)	Curved Radius (mm)	Size (inches)	Colour	Standard Packing
NFC - 65	6.5	10.0	16	1 / 4	Black	100 Mtrs.
NFC - 100	10.0	13.0	20	5 / 16	Black	100 Mtrs.
NFC - 120	12	15.8	30	3 / 8	Black	100 Mtrs.
NFC - 143	14.3	18.5	40		Black	100 Mtrs.
NFC - 170	17.0	21.2	45	1 / 2	Black	100 Mtrs.
NFC - 230	23.0	28.5	50	3 / 4	Black	50 Mtrs.
NFC - 290	29.0	34.5	60	1	Black	50 Mtrs.
NFC - 360	36.0	42.5	70	1 1/2	Black	50 Mtrs.
NFC - 480	48.0	54.5	90	2	Black	50 Mtrs.

NOVOFLEX PVC EDGING STRIP



It is ideal edging material for wood, glass and plastic, which can be easily applied to straight edges as well as curved edges. It permits a clean and rapid installation. Suitable uses are for covering potentially dangerous sharp edges, as found on bulk head cut-outs, instrumentation enclosures, control panels, etc. It also provides protection to your personnel, your customers and your products. Available in two sizes suitable for plate thickness from 1 mm to 2.7 mm in black colour.

Standard Colour : Ultra violet resistant Black colour / Natural White.

Material : UL Listed UV Resistant Nylon 6.6

Flammability : -20°C to +70°C.

Novoflex Part No.	Panel Thickness Method		"A"	"B"	"C"	"D"	Standard Packing
	SWG	(mm)	(mm)	(mm)	(mm)	(mm)	
NR 1	20 - 15	1.0 - 1.8	6.7	5.1	1.0	1.7	100 Nos.
NR 2	16 - 12	1.5 - 2.7	10.0	8.4	1.5	2.60	100 Nos.

NOVOFLEX TWIST LOK TIE



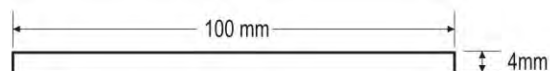
They are designed for use in a diverse range of packing and tying applications where secure but provisional fastening is required. These ties have found successful use in a wide spectrum of industries such as electrical, electronic, agriculture, food, luggage, packing and so on. Available in various product length as well as in rolls of 100 mtrs.

Standard Colour: Natural

Material: Nylon 6 (Polyamide).

Flammability : -20°C to +70°C.

Novoflex Part No.	Dimensions			Standard Packing
	Length (mm)	Width (mm)	Thickness (mm)	
TL 100	100	4	0.85	100 Nos.
TL 150	150	4	0.85	100 Nos.
TL 200	200	4	0.85	100 Nos.
TL M	100 Mtrs	4	0.85	100 Nos.



NOVOFLEX HEXAGONAL METRIC THREAD NYLON CABLE GLAND

It's unique design out-dates and out-performs the traditional Brass Cable Glands used as general purpose glands for plastic or rubber insulated, un-armoured, plastic or rubber over sheathed cables. These glands are manufactured from a high grade engineering thermoplastic, an inherently strong compound that is self extinguishing and corrosion resistant. These Glands absorb variations and shocks better than the traditional brass cable glands. Available to suit cable dia 6 mm to 27 mm in Metric Thread.

Standard Colour : Black.

Operating Temperature : -25° C to +85° C.

Melting Temperature : 218° C

Tensile strength : 595 Kg/cm²

Volume resistivity : 1.5 x 10¹² ohm - cm

Material: Nylon 6 in black colour as standard for Metric Thread Skintite Cable Glands can be manufactured in other material and colour on request as per specific offer.



Novoflex Gland Part No.	Entry Thread size	Entry Thread length	Across flats	Across corners	Sealing Range (mm)		Standard Packing
	(mm)	(mm)	(mm)	(mm)	Min.	Max.	
NG 16 MS	16	10	20	22	6	8	100 Nos.
NG 16 M	16	10	20	22	8	12	100 Nos.
NG 20 MS	20	10	26	29	8	12	100 Nos.
NG 20 M	20	10	26	29	10	16	100 Nos.
NG 25 M	25	10	30	33	14	21	100 Nos.
NG 32 M	32	10	41	46	19	27	100 Nos.

NOVOFLEX PUSH RIVETS



They are designed to hold together two more panels securely, attractively and economically. They are suitable for fastening most materials including metal, wood, hardboard, rubber, glass, plastic etc. Due to special design wings they have excellent mechanical properties.

Standard Colour : Black

Operating Temperature :-25°C to +85°C.

Material : Nylon 6 (Polyamide)

Novoflex Part No.	Hole Dia (mm)	Total Material Thickness Range (mm)	Standard Packing
PR 01	4.50 - 4.80	2.0 - 5.0	100 Nos.
PR 02	6.50 - 6.80	4.0 - 8.0	100 Nos.



NOVOFLEX SNAP RIVETS

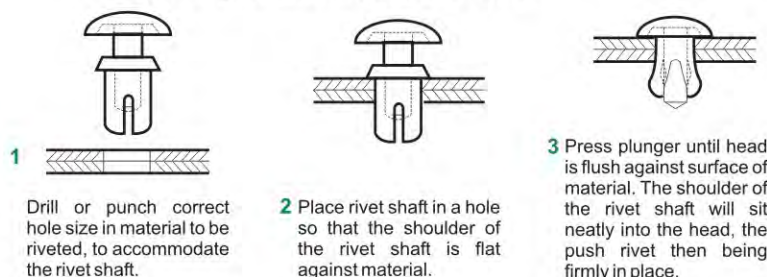


It is a two piece all plastic blind rivet that securely joins two or more materials of varying thickness of materials. Generally suitable for fastening most materials including metal, wood, hardboard, rubber, glass and specialty plastic. They provide positive locking and are vibration resistant.

Standard Colour : Black.

Operating Temperature :-25°C to +85°C.

Novoflex Part No.	Hole Dia "A" (mm)	Length "B" (mm)	Total Material Thickness "T" (mm)	Standard Packing
SR 355	3.0	5.5	2.5 - 4.0	500 Nos
SR 365	3.0	6.5	3.5 - 5.0	500 Nos
SR 3565	3.5	6.5	3.5 - 5.0	500 Nos
SR 4040	4.0	4.0	1.5 - 2.5	500 Nos
SR 4080	4.0	8.5	3.5 - 5.0	500 Nos



NOVOFLEX MOUNTING BUTTONS

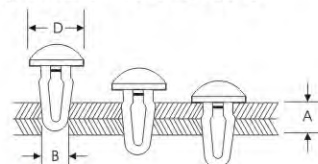


It is designed to hold securely two or more panels with the advantage and ease of application by thumb pressure. It is resistant to corrosion or attack by most chemicals and is used in many industries for plugging holes in single panels, fixing identification plates, securing access panels, trim panels and for fastening insulation materials.

Standard Colour : Black & Natural.

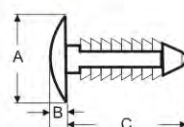
Operating Temperature :-25°C to +85°C.

Novoflex Part No.	Material Thickness "A" (mm)	Hole Dia "B" (mm)	Hole Dia "D" (mm)	Standard Packing
MB 01	2.5 - 3.2	3.1 - 3.5	7.0	100 Nos.
MB 02	3.0 - 3.5	3.5 - 3.9	7.7	100 Nos.



NOVOFLEX CIRCULAR PUSH - IN CLIPS

Novoflex Part No.	Panel Range (mm)		Hole Dia (mm)	"A" (mm)	"B" (mm)	"C" (mm)	Standard Packing
	Min	Max					
CPR 01	0.7	12	5	15.8	1.7	17.0	100 Nos
CPR 02	0.7	6	6	12.8	1.8	19.0	100 Nos
CPR 03	2.3	9	6.4	17.6	1.9	16.2	100 Nos
CPR 04	0.7	12	7	17.3	1.8	20.6	100 Nos
CPR 05	1.6	25.4	7	18.8	1.3	33.6	500 Nos



This Circular push - in Clips are used to join 2 metal - wood - plastic surfaces easily and effortlessly without the aid of any screws, nails or tools. The design of this Clip offers a low insertion force with a higher pullout strength for a stronger and easier panel.

Standard Colour : Black & Natural.

Operating Temperature :-25°C to +85°C.

Material : Nylon 6 (Polyamide)

NOVOFLEX OVAL GRIP K TYPE CABLE MARKER & CARRIER STRIP



Carrier Strips with ovalgrip cable markers, provide a simple, fast and convenient means of identifying cable bundles, large diameter cables, conduits, pipes and tubes using Cable - Lok cables ties.
Standard Colour : Natural White & Black.
Operating Temperature : -25° C to +85° C.
Material : Nylon 6 (Polyamide).

Novoflex Part No.	Description	Technical Information	Standard Packing
OG 85	Ovalgrip Cable Markers	Yellow body with Black marking. 0 to 9 A to Z +, -, / & Black	500 Nos.
AT - 1	Carrier Strip	10 Digit capacity (Length 65 mm)	100 Nos.
AT - 2	Carrier Strip	14 Digit capacity (Length 94 mm)	100 Nos.
AT - 3	Carrier Strip	18 Digit capacity (Length 100 mm)	100 Nos.
AT - 28	Carrier Strip	28 Digit capacity (Length 280 mm)	100 Nos.

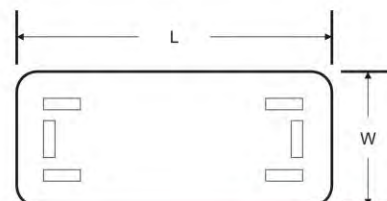
Novoflex Part No.	Nominal Length (mm)	Strap Width "B" (mm)	Thickness "T" (mm)	Min. Tensile Strength (Kg)	Max. Cable Bundle Dia (mm)	Standard Packing
CPS-100 ES	100	2.5	1.0	8	24	100 Nos.
CPS-150 ES	150	3.6	1.1	14	35	100 Nos.
CPS-200 ES	200	4.7	1.3	22	51	100 Nos.
CPS-250 ES	250	4.7	1.3	22	74	100 Nos.
CPS-300 ES	300	4.7	1.3	22	83	100 Nos.
CPS-368 ES	368	4.7	1.3	22	103	100 Nos.
CPS-450 ES	450	4.7	1.30	22	130	100 Nos.
CPS-550 ES	550	4.8	1.30	22	164	100 Nos.



NOVOFLEX WRITE ON CABLE TAG



They can be fixed around cables, cable harnesses, pipes or tubes with Cab-lok cable ties. Write on labels with indelible marker pen.
Standard Colour : Natural White.
Other colours on request.
Operating Temperature :-25° C to +85° C.
Material : Nylon 6 (Polyamide)

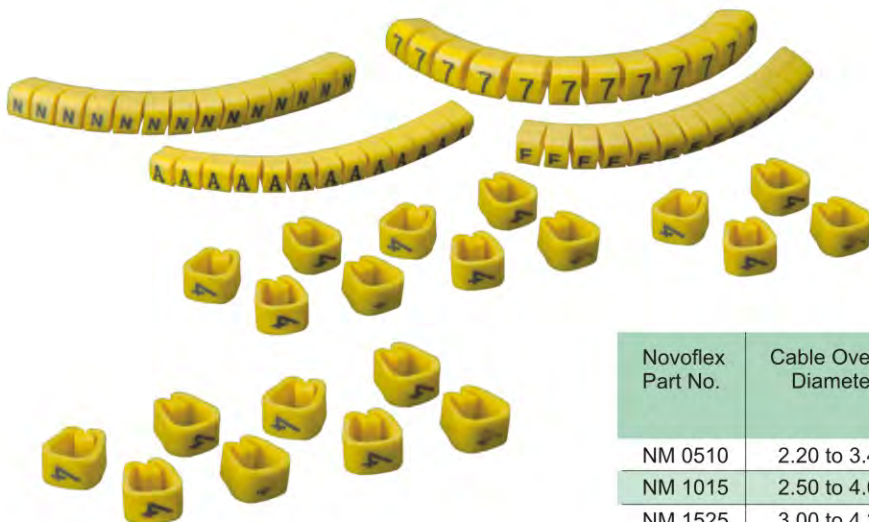


APPLICATION



Novoflex Part No.	Marker Label		Slot Dimensions (mm)	Standard Packing
	Length (mm)	Width (mm)		
AT-4	45	20	5X1.5	100 Nos.
AT-5	65	25	6X2.0	100 Nos.

NOVOFLEX MELAGRIP CABLE MARKERS - THE SIMPLEST ECONOMICAL CABLE MARKER



A versatile range of Cable Markers made from high quality plasticised PVC. It's unique design gusset allows easy and quick fitting of marking on wires and cable without the aid of any special applicator or assembly tool. The most popular and economical cable marker. Available for cable diameter range 1.75 mm to 11.5 mm in semi-cut chain. Standard Colour : Yellow & White. Operating Temperature :-15°C to +80°C. Material: PVC.

Novoflex Part No.	Cable Overall Diameter	Suggested Cable Size (mm ²)	Standard Packing
NM 0510	2.20 to 3.40	0.5, 0.75, 1.0	100 Nos
NM 1015	2.50 to 4.00	1.0, 1.5	100 Nos
NM 1525	3.00 to 4.20	1.5, 2.5	100 Nos
NM 4060	4.00 to 5.60	4.0, 6.0	100 Nos
NM 6010	5.00 to 7.20	6.0, 10.0	100 Nos
NM 6016	5.50 to 8.50	6.0, 10, 16	100 Nos
NM 2335	8.00 to 12.00	25, 35	100 Nos

Standard Colour & Marking : Yellow or White body marked Black A to Z, 0 TO 9, +, -, /, Blank, Minimum ordering quantity per marking 100 Nos.

NOVOFLEX Z TYPE CABLE MARKERS

These Z- Type cable cut markers are available in standard Reel Packing. Z type. Standard Colour : Yellow. Marking Black. Standard Marking : 0 to 9; A to Z; +, -, / Blank. Temperature : 15°C to +80°C. Material: PVC.



Novoflex Part No.	Cable Overall Dia (mm)	Suggested Cable Size (mm)	Standard Packing
EC 0A	1.5 to 2.0	0.75	1000 Nos.
EC 0B	2.0 to 3.2	1.00	1000 Nos.
EC 0C	2.5 to 4.0	1.50	1000 Nos.
EC 1	3.0 to 4.2	2.50	1000 Nos.
EC 2	4.0 to 5.7	4.00	500 Nos.
EC 3 A	4.2 to 6.3	6.00	350 Nos.
EC 3 B	5.5 to 6.9	10.00	180 Nos.
EC 3 C	6.2 to 8.9	16.00	80 Nos.

NOVOFLEX PILFER PROOF SECURITY SEALS

Exclusive Features

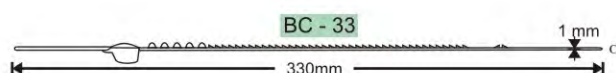
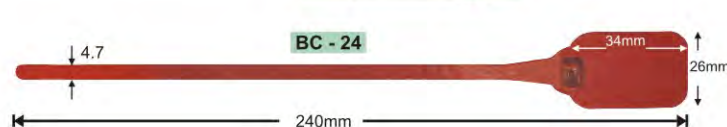
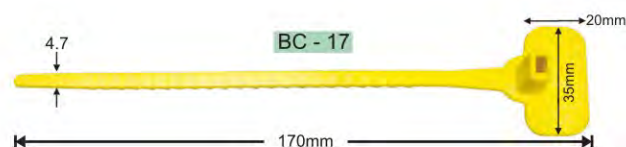
- Secure, Reliable, Versatile and Strong
- Hot stamping for Permanent Impression
7digit Sequential Numbering
- Name / Logo Printing
- Totally Tamper Proof
- Spikes for better gripping
- Available in 6 different colours -
- Yellow, White, Green, Red, Blue & Black.



7 DIGIT HOT STAMPED SEQUENTIAL NUMBERING



Printed Logo



Applications

- Bulk Drugs • Refineries • Chemical Industries
- Pharmaceutical Industries • Clinical Waste
- Containers / Drum • Postal Dept. • Courier Bags
- Currency Bags • Vehicle Doors • Airline Baggage

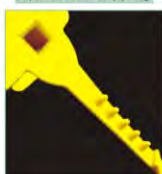
Easy insertion



Positive Locking



Spikes for Gripping



CUSTOMISATION

Standard Colours	Name / Logo Printing	Serial Numbering
Yellow, White, Red, Green, Blue & Black	Min. Qty. 10000 Nos.	Min. Qty. 5000 Nos. Max. 7 digit

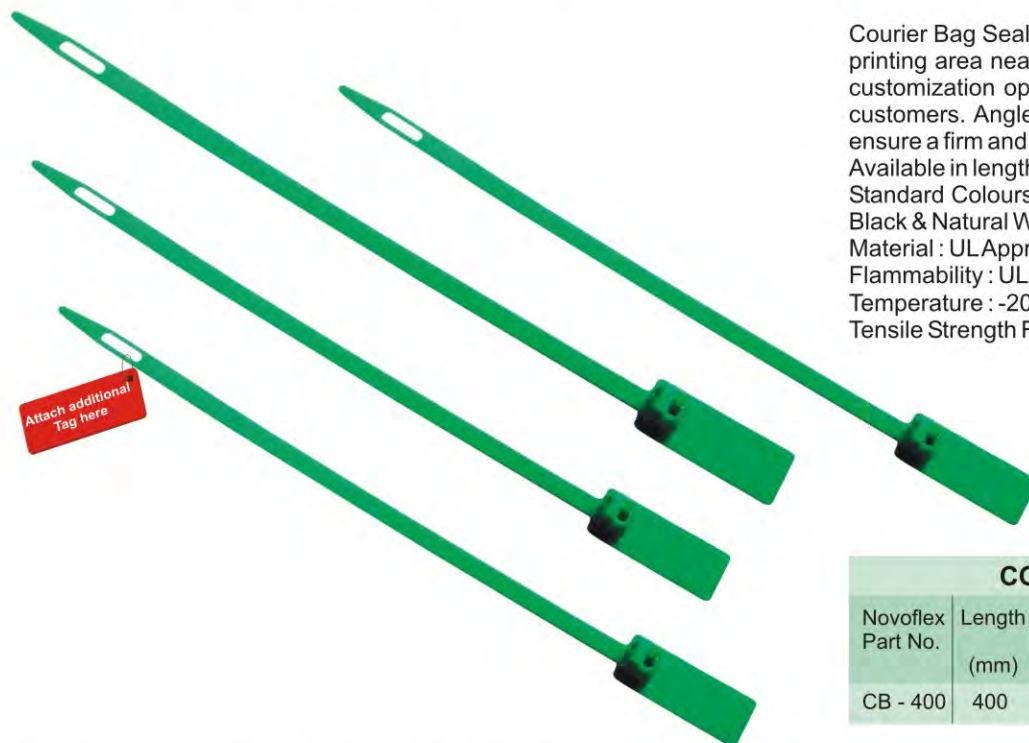
SPECIFICATION

Novoflex Part No.	Length (mm)	Width (mm)	Thickness (mm)	Print Area (L x B)	Packing
BC - 17	170	4.7	1.1	35 x 20 mm	100 Nos
BC - 24	240	4.7	1.1	25 x 26 mm	100 Nos
BC - 33	330	4.7	1.1	26 x 34 mm	100 Nos



- Material : Nylon 6.6 UL Listed.
- Also Available in PP Material.
- Flammability UL94V-2 .
- Temperature : -20°C to +85°C.
- Tensile Strength For Lock 20 Kgs

NOVOFLEX COURIER BAG SEAL



Courier Bag Seals feature a sturdy design with a large printing area near the head providing a wide range of customization options as per the requirements of the customers. Angled serrations at the head of the seal ensure a firm and secure grip.

Available in length of 400 mm and width of 7.8 mm.

Standard Colours : Green, Red, Yellow, Blue, Orange, Black & Natural White.

Material : UL Approved Nylon 6.6.

Flammability : UL94V-2

Temperature : -20°C to +85°C.

Tensile Strength For Lock > 35 Kgs.

COURIER BAG SEAL

Novoflex Part No.	Length (mm)	Width (mm)	Bundle Dia (mm)	Tensile Strength (Kg)	Print Area
CB - 400	400	7.8	104	38	50 x 20

NOVOFLEX KWIK LOK SECURITY SEAL



Kwik Lok Security Seals are economical and versatile way of security.

- Tamper evident security seal.
- Pull - up action for quick application and immediate security.
- Requires no tools to apply or remove.
- Versatile and cost - effective.
- Available blank or sequentially numbered.
- Available in different colours.

Application

- Truck Sealing.
- Fiber Drums.
- Zippered Money Bag.
- Information Tag.
- Emergency Doors.
- Dispenser Tanks.
- Cash Bag.
- Fire Extinguishers.

KWIK LOK SECURITY SEAL

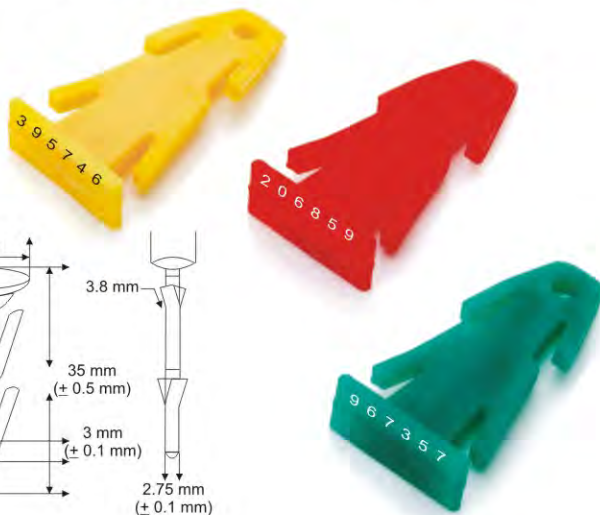
Novoflex Part No.	Length (mm)	Bundle Dia (mm)	Tensile Strength (Kg)	Standard Packing
KL - 26	260	74	38	100 Nos.

NOVOFLEX DRUM SEAL

Fiber Drum Seal is a tamper evident seal, designed to seal the clamping band on fiber drums. Once inserted, it is impossible to release and reinsert. Another Security Seal can be applied to the hole given near the bottom for extra security. Application is very simple all you have to do is push it through the clamping band on the fiber drum with your thumb. No tools are required. Available with your Company's Name / Logo, or serialized number printing. Material : Nylon 6 (Polyamide).



Novoflex Part No. FDS 1



NOVOFLEX TAMPER EVIDENT SEAL

These seals are ideal to protect your precious, genuine & branded products from contamination and fake products. These seals have a unique design to reveal evidence of tampering. Available with your Company's Name / Logo, or serialized number printing.

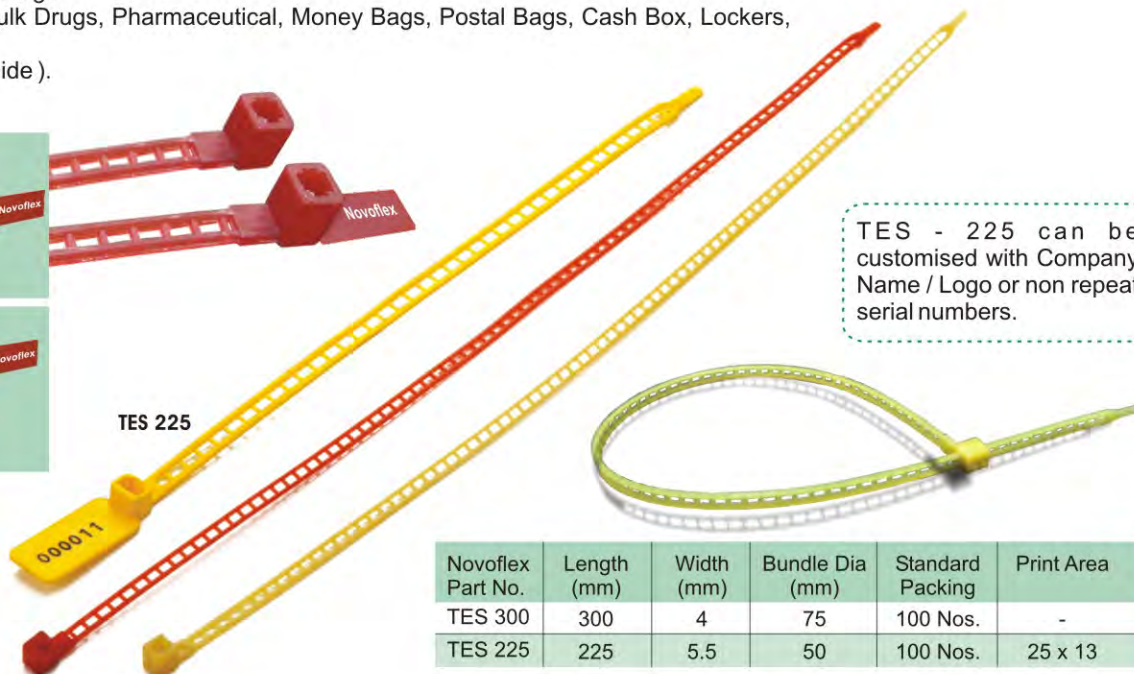
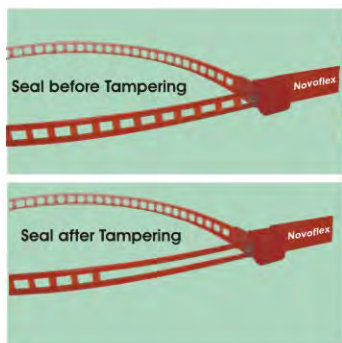
Material : UL Approved Nylon 6.6.

Flammability : -200C to +850C.

Tensile Strength for Lock >20 Kgs

Usage : Chemical Bags, Bulk Drugs, Pharmaceutical, Money Bags, Postal Bags, Cash Box, Lockers, Transportation.

Material : Nylon 66 (Polyamide).



TES - 225 can be customised with Company Name / Logo or non repeat serial numbers.

Novoflex Part No.	Length (mm)	Width (mm)	Bundle Dia (mm)	Standard Packing	Print Area
TES 300	300	4	75	100 Nos.	-
TES 225	225	5.5	50	100 Nos.	25 x 13

Technical data for Selection of Ties. Novoflex - Choose the Right Cable Ties.

The most important characteristics of Cable Tie are:

- Raw Material, • Resistance to chemicals, • Ultra Violet Resistance, • Flammability Rating, • Loop Tensile Strength, • Max. Bundle Diameter, • Anchoring and Fitment Features.

The following Nylon 66 variants are used for Novoflex Cable Ties:

- Standard Nylon 6.6 for temperature conditions of upto + 85°C. • Heat Stabilised Nylon 6.6 for temperature resistance of upto +115°C.
- UV stabilised Nylon 6.6 for outdoor use. • Nylon 4.6 for high temperature resistance upto +150°C. • Fire Retardant Nylon 6.6 for high standards of fire protection with Flammability Rating of UL94V-0. • Low Temperature Nylon 6.6 for temperature -40°C to +85°C.

In order to provide the best quality, we use the top brands of Nylon 6.6 & Nylon 4.6 from Ascend, Rhodia, Dupont & DSM & Invista.



Water Content in Nylon 6.6 :

Nylon 6.6 is a hygroscopic material - this means it absorbs and releases water based on atmospheric conditions. The mechanical properties are significantly affected by water content, especially flexibility and minimum tensile strength. At a water content of approximately 2.5% the ties have the ideal flexibility for installation.

After achieving the positive locking action the tie is in a static condition. Changes in the mechanical properties of the tie as a function of water content are insignificant after this status. Novoflex processes its products according to the general climate condition prevailing at the time of manufacturing. For high variation Climates, please inform us and we will process the material accordingly.

Novoflex Cable Ties are chemical resistant to:

. Liquid Acetaldehyde. * Acetone * Aniline * Benzaldehyde / Benzol * Cyclohexane * Cyclohexanone * Decahydronaphtlene * Dimethyl formamide * Dioctylphthalate * Heptane * Ketone / Methyl ethyl ketone * Nitro benzene * Paraffin oil * Carbon bi sulphide * Silicon oil * Carbon Tetrachloride * Toluol * Trichlorethylene * Xylene.

UL Certification :

Novoflex Cable Ties are listed as TYPE 21 under UL. Type 21 based cable ties retain 100% of the loop tensile strength after under going rigorous test.

Weathering / UV Stabilisations :

Ties exposed to ultraviolet light may experience material breakdown (Reduced Tensile Strength, Brittleness Colour changes). To prevent this, Novoflex adds Carbon Black (one of the most effective stabilizations) and special additives to provide good ultra violet light resistance and making them suitable for out door applications.

Flammability :

A number of test procedures have been developed for evaluations and comparison of various materials to support combustion.

UL94 Vertical Burning Test :

- Samples are tested in two different states - First in its " as manufactured" state and then in its aged state (7 days at 158°F, 70°C).
- Before the test begins, plastic samples are placed vertically in the burn chamber. Each sample is 127 mm x 12.7 mm in dimension, with the same thickness as the final product that will be formed from the plastic.
- Once the sample has been mounted, a carefully controlled flame is placed under the specimen for 10 seconds and then removed. When the flame is no longer in contact with the specimen , any residual flaming combustion of the plastic sample is observed and recorded.
- When the plastic sample finally self - extinguishes, the controlled flame is immediately reapplied for another 10 seconds, and then removed. Again, the specimen's flaming combustion (in the absence of flame exposure) is recorded.
- Lastly, a piece of dry surgical cotton is placed 12 inches below the combusting sample. If any drips fall onto the cotton and cause it to ignite, this detail is also recorded.

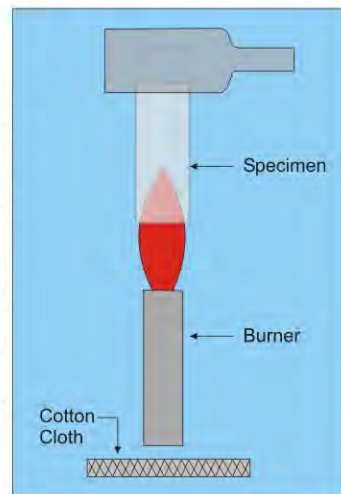
When all of the flame test data has been gathered, it's used to group the tested material into one of three specific material classes: 94V-1, 94V-1, 94V-2. Below you'll find the requirements for each classification.

94V - 0

- Following either or both of the controlled flame applications, samples may not sustain burning combustion for longer than 10 seconds.
- Total flaming combustion time for 5 samples (counting both controlled - flame applications) may not exceed 50 seconds.
- None of the samples may be burned up to the mounting clamp by either flaming or glowing combustion.
- None of the samples may drip flaming particles that result in the ignition of the surgical cotton below them.
- Following the removal of the second controlled flame, samples may not exhibit glowing combustion for more than 30 seconds.

94V - 2

- Following either the first or second controlled - flame application, none of the samples support flaming combustion for longer than 30 seconds
- The total flaming combustion time for 5 samples (each being twice - exposed controlled flame) may not exceed 250 seconds.
- Flaming or glowing combustion may not cause any of the samples to burn up to their holding clamps.
- Samples are allowed to drip briefly - burning flaming particles, which may cause the dry surgical cotton they land on to ignite.
- Upon the removal of the second controlled flame, none of the samples may exhibit glowing combustion for a period of time greater than 60 seconds.



Radiation:

Installed cable ties of various materials are exposed to different amount of radiation to determine the maximum acceptable limit. These tests are conducted mainly to determine the acceptability for use in various areas of nuclear power plants

Moisture :

Nylon 6.6 when exposed to 100% relative humidity, absorbs as much as 8.5% water which reduces tensile strength by 50% as compared to a dry tie. Polypropylene, are low water absorbing materials and therefore the effect of water is minimum.

Temperature :

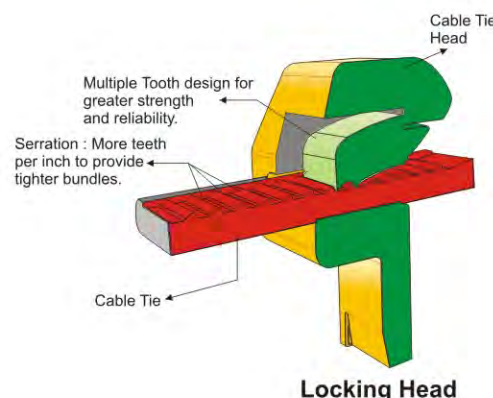
When exposed to high temperature, plastic materials undergo property loss due to oxidation. Material might become brittle making ties more susceptible to failure from impact and vibration. Exposure to low temperatures also makes most plastics more brittle but when the material is returned to room temperature, there is little property loss.

Loop Tensile Strength :

Tensile Strength testing is done to ascertain the load bearing capacity of Cable Ties. The "Loop Tensile Strength " of Cable Ties exerts the force from the inside out applying the stress to the locking mechanism. Novoflex Cable Ties are tested as per specification of SAE AS 3867.

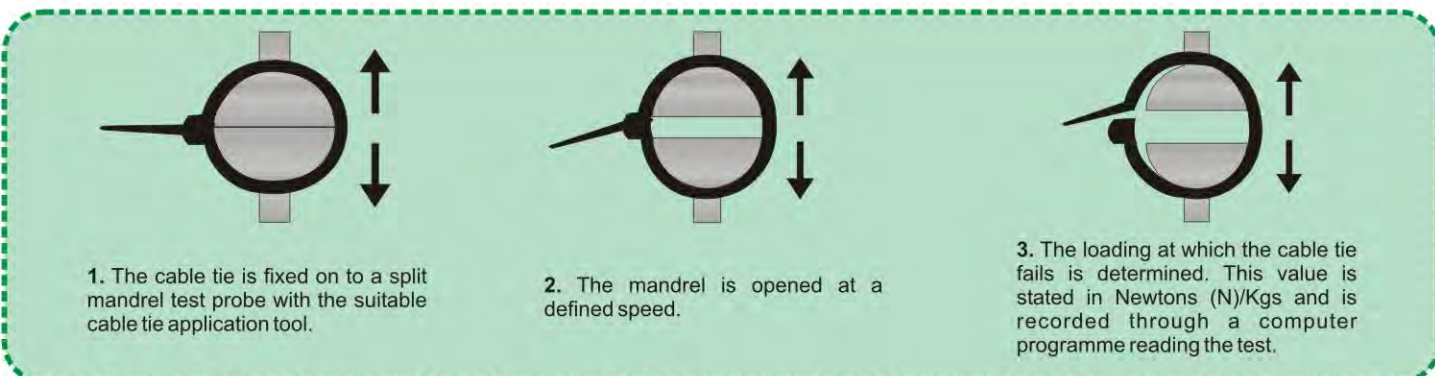
Width of cable tie of standard thickness				
Miniature 2.5 mm Width	Intermediate 3.5 mm Width	Standard 4.7 mm Width	Heavy 7.6 mm Width	Extra Heavy 9 mm Width
Loop Tensile Strength	Loop Tensile Strength	Loop Tensile Strength	Loop Tensile Strength	Loop Tensile Strength
8 Kgs	14 Kgs	22 Kgs	55 Kgs	80 Kgs
Each width has a different tensile strength when tested as per the specification.				

Loop Tensile Strength is dependent both on locking design and the tensile strength (psi) of the material. Novoflex design team have over the years perfected the design of the locking head which gives the optimum loop tensile strength. More than 95% of Novoflex Cable Ties are Manufactured from Nylon 6.6 as this is the most suitable material for cable tie application. Some of the cable ties are also manufactured from Polypropylene material which are highly resistant to most acids but the loop tensile strength would be 1/3rd of those made from Nylon 6.6.



To determine Loop Tensile Strength :

- Before testing, the cable ties are first conditioned at 49°C, 20% relative humidity for 24 hours.
- Cable Tie is fixed to a split Mandrel Test Probe of 1.5" dia (Cable ties of 125mm and above length).or 0.37" dia (cable ties less than 125 mm)
- The Mandrel is opened at a controlled speed 25 mm per minute in the opposite direction through a motor control tensile testing machine.
- The loading at which Cable Ties fails is determined. This value is recorded through a computer programme reading the test.



It must be noted that the factory tested Loop Tensile Strength may show a different reading at your place due to absorption of moisture and weather conditions if the ties are exposed in open condition for a significant time before testing.

Selection and Use of Adhesive Mounts

Selection and Use of Novoflex Adhesive Mounts

General Introduction :

Novoflex adhesive mounts provide a quick, economical and dependable method of supporting, routing and protecting wires or cable. Some are used with Novoflex cable ties and others used independently. Adhesive backed mounts adhere to a variety of surfaces. This alternative to mechanical fasteners offers the advantage of lower installed cost with safe, easy to use, quality products.

Applications :

*To rout wires in control panels and switch boards. *To support bundles of wires away from moving mechanical devices. *Routing and harnessing cables, both indoor and outdoor, to prevent safety hazards. *To organize flat cables in many locations with low profile construction.

Applicable Industries :

*Original Equipment Manufactures. * Construction Industry. * Telecommunication Systems. *CATV. * Aerospace Industry. * Utilities.
* Electronic Components. * Transportation Industry. * Appliance Manufacturers. * Repair and Maintenance Operations, Automobiles.

General Mount Guidelines :

Novoflex pressure sensitive adhesive (foam tape) mounts are intended to secure wire bundles or other light objects to smooth surfaces. These mounts are not designed to support excessive loads and should not be used when the maximum expected load exceeds the rated capacity of the mount.

SURFACES	RUBBER BASED FOAM TAPE MOUNTS
Plastic	Good
Wood	Good
Glass	Fair
Painted Surfaces	Good
Powder Coating	Good
Metal	Good
Paper	Good
Concrete, Stone, Masnry	Not Recommended

CHEMICAL RESISTANCE	RUBBER BASED FOAM TAPE MOUNTS
Water	Good
Oil	Poor
Gasoline	Poor
Dilute Acids	Poor
Dilute Alkalis	Good
Organic Solvents	Poor
Outdoor Exposure	Not Recommended

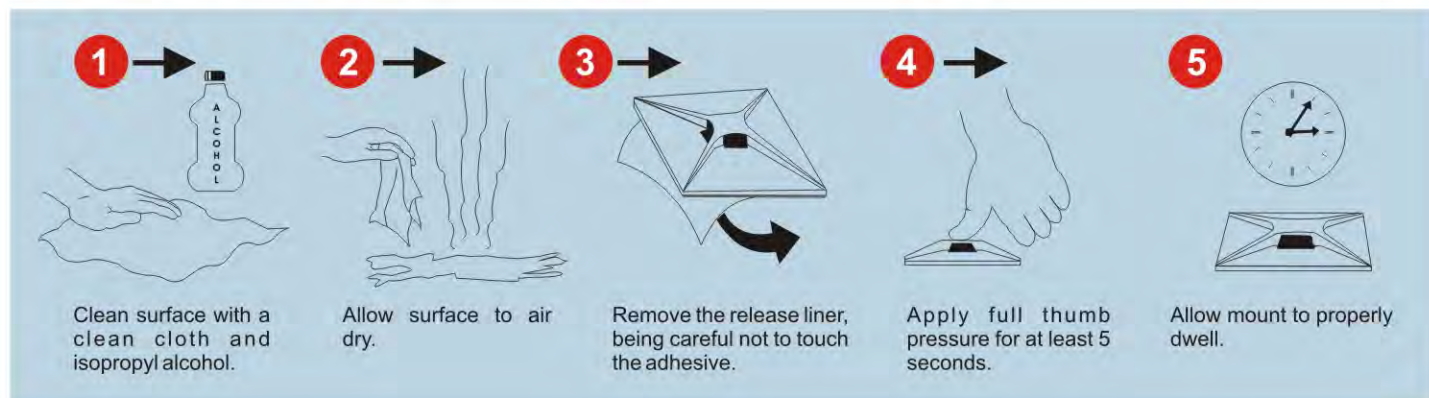
Surface Preparation :

For best result, Novoflex adhesive mounts should be applied to clean, dry, grease - free surfaces. It is recommended that for each individual application a solvent or cleanser be used to thoroughly prepare the surface for mount installation to obtain best result The following are recommended guidelines:

Proper Installation Techniques :

Pressure Sensitive Adhesive Mounts

For proper installation of adhesive mounts with foam tape, simply remove the release liner from foam adhesive and place the mount in the desired location. Apply firm pressure to the mount to ensure proper adhesion. Avoid touching the adhesive prior to placing the mount on the surface.



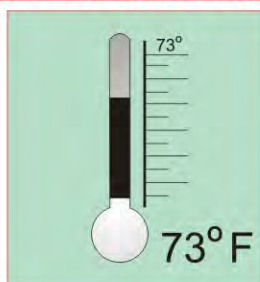
OPTIMUM STORAGE CONDITIONS FOR CABLE TIES MADE OF NYLON 6.6 :

Novoflex cable ties and mounts are manufactured from high - quality Nylon 66. This material is mainly processed using injection molding, but can also be extruded.

Nylon 66 is a hygroscopic material. This means that the material absorbs and loses moisture. For optimum handling of cable ties, it is important that the material is in a condition of equilibrium with a water content of approximately 2.5%.

The packaging used by Novoflex ensures that the water content in the material remains constant. Therefore, it is important to store the products in their original packaging to preserve the quality of the ties and mounts.

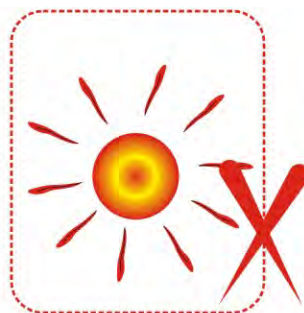
IDEAL STORAGE CONDITION :



50% Relative Humidity



Once opened you should use the ties as quickly as possible.



Do not expose the product to direct sunlight.



Store the product away from direct sources of heat.

MATERIALS SPECIFICATION OVERVIEW

Material	Continuous Operating Temperature	Flammability Rating	Colour
Nylon 6.6	-25°C to 85°C (+105°C for 500 hours)	UL 94V-2	Natural / Black (Other colours available)
UV Stabilised Nylon 6.6	-25°C to 85°C (+105°C for 500 hours)	UL 94V-2	Natural / Black
Heat Stabilised Nylon 6.6	-25°C to 115°C (+105°C for 500 hours)	UL 94V-2	Black
Fire Retardant Nylon 6.6	-25°C to 85°C	UL 94V-0	White
High Temperature Nylon 4.6	-25°C to 150°C (+195°C for 500 hours)	UL 94V-2	Natural / Black
Low Temperature Nylon 6.6	-40°C to 85°C	UL 94V-0	Natural
Uncoated Stainless Steel	-80°C to 538°C	Fireproof	Metallic
Polyester Coated Stainless Steel	-80°C to 538°C	UL 94V-2	Black

TYPE 21



Cable Tie
E465219

LISTED

Applications



Automobiles :

Fir Tree Mount Clips, Panel Edge Clips, Nylon Cable Ties, Twist Clips, Tie Mounts, Cable Binders, Stainless Steel Cable Ties, Wire Holders, Grommet Rings, P-Clips, Cable Clamps, Auto Wire Harness.



Railways :

Nylon Cable Ties, Stainless Steel Cable Ties, Fir Tree Mount Clips, Panel Edge Clips.



Aviation:

Nylon Cable Ties, Stainless Steel Cable Ties, Fir Tree Mount Clips, Panel Edge Clips.



Couriers & Logistics:

Pilfer Proof Strip Seals, Bag Closures, Nylon Cable Ties, Identification Ties.



Ship Building:

Stainless Steel Cable Ties, Nylon Cable Ties.



Pharmaceuticals & Drugs:

Pilfer Proof Strip Seals, Bag Closures, Nylon Cable Ties, Identification Ties. Metal Detectable Cable Ties.



Chemicals & Dyes:

Pilfer Proof Strip Seals, Bag Closures, Nylon Cable Ties, Identification Ties, Acid & Chemical Resistant Cable Ties.



Power Plants:

Nylon Cable Ties, Stainless Steel Ties, Nylon Cable Glands, Cable Clamps.

Consumer Durables:

Nylon Cable Ties, Strain Relief Cord Bushings, P-Clips, Grommet Rings, Twist Clips, Wire Holders, Cable Tie Mounts, Snap Rivets, Push Rivets, Cable Clamps, PCB Supports.

Retail Stores:

Nylon Cable Ties, PP Cable Ties.

Computers & Networking:

Nylon Cable Ties, Tie Mounts, Cable Clamps, Twist Clips, Cable Markers, Magic Ties, Cord Organix.

Food Processing:

Nylon Cable Ties, Stainless Steel Cable Ties, Pilfer Proof Strip Seals, Pilfer Proof Bag Closures, Metal Detectable Cable Ties.

Electric Metering:

Nylon Cable Glands, P-Clips, Nylon Cable Ties, Push Buttons.

Electronics:

Nylon Cable Ties, Strain Relief Cord Bushings, Grommet Rings, Snap Rivets, Push Rivets, Mounting Buttons, Wire Holders, Tie Mounts, PCB Supports, Cable Clamps, P-Clips.

Control Panels:

Nylon Cable Ties, Cable Clamps, Tie Mounts, Cable Markers, Mounting Buttons. Adjustable Cable Clamps.

New Project Installations:

Nylon Cable Ties, Cable Glands, Cable Clamps, Stainless Steel Cable Ties.

Telecom:

Nylon Cable Ties, Nylon Cable Glands, Strain Relief Cord Bushings, Snap Rivets, Push Rivets, Mounting Buttons, Cable Clamps, Wire Holders, Tie Mounts, PCB Supports.

Solar Power:

UV Resistant Cable Ties, Polyamide Cable Glands.



NOVOFLEX



An ISO 9001 : 2008 Company

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Manufacturers of Cable Ties & Wiring Accessories In India Since 1980