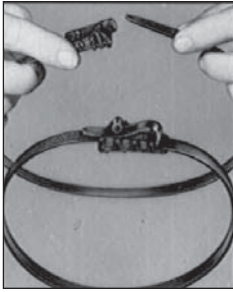
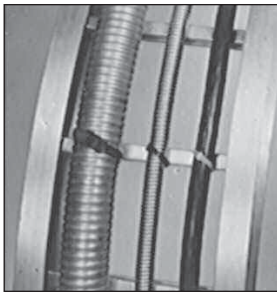


Ty-Rap®

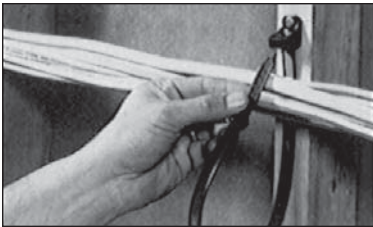
Lashing Straps



The heavy-duty lashing tie is made from weather-resistant nylon. The addition of carbon black provides good ultraviolet resistance and prolongs the useful life of the cable tie.



This lashing tie is ideally suited for chemical environments that are unsuitable for nylon. Strapping is made of black, weather-resistant polypropylene for outdoor use. Head is made of nylon 66.



Many factors combine to determine the useful life of a cable tie and chemical exposure can be a very important consideration in certain situations. Polypropylene cable ties are ideally suited for chemical environments. It is black for outdoor use.

Heavy Duty Lashing Tie (releasable)

Std. Cat. No.	Bulk Pkg. Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Diameter (in.)	Tensile Strength (lb.)	Std. Pkg.	Bulk Pkg.
TY5409	TY409	.500	19.00	4.75	200	25	100



Length 19"

Weather-Resistant Polypropylene Lashing Tie (releasable)

Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Diameter (in.)	Tensile Strength (lb.)	Std. Pkg.
TY5418PX	.500	18	5	150	25
TY5424PX	.500	24	7	150	25
TY5442PX	.500	42	12	150	10
TY5460PX	.500	60	18	150	10

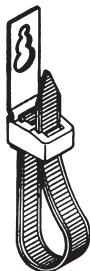
Weather-Resistant Polypropylene Hanger Lashing Tie (releasable)

Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Diameter (in.)	Tensile Strength (lb.)	Std. Pkg.
TY53418PX	.500	18	5	150	25

Ty-Rap® Lashing Straps



Nylon 12 provides very good resistance to ultraviolet light and chemical exposure. Nylon 12 is a lower, moisture-absorbing material than 6/6 nylon and the effect of water on properties is much less.



Nylon 12 provides very good resistance to ultraviolet light and chemical exposure. Nylon 12 is a lower, moisture-absorbing material than 6/6 nylon and the effect of water on properties is much less.

Weather-Resistant Nylon 12 Messenger Hanger Straps (releasable)

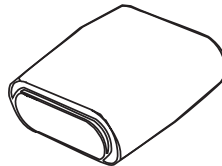
Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Diameter (in.)	Hook Material	Tensile Strength (lb.)	Std. Pkg.
TYM5412X	.500	12	3	Bronze	200	50
TYM5418X	.500	18	5	Bronze	200	25
TYM5423X	.500	24	7	Bronze	200	25
TYM5430X	.500	30	9	Bronze	200	25
TYM5436X	.500	36	11	Bronze	200	25
TYM5412X-S	.500	12	3	Stainless Steel	200	50
TYM5418X-S	.500	18	5	Stainless Steel	200	25
TYM5423X-S	.500	24	7	Stainless Steel	200	25
TYM5430X-S	.500	30	9	Stainless Steel	200	25
TYM5436X-S	.500	36	11	Stainless Steel	200	25

The recommended, maximum continuous static loading for the nylon 12 straps is 25 lb. per strap. For best results suggested spacing is 15 inches. It is the responsibility of the user to determine whether or not their application meets our recommendation.

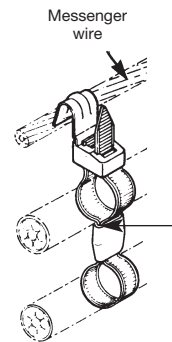
- Hook will accommodate 1/2" dia. messenger wire.

Messenger Hanger Spacer

Cat. No.	Description	Std. Pkg.
TC5254	1" long stackable spacer for messenger straps	50



Spacer separating cable bundles



This one-inch long spacer allows you to separate power and signal cables with a single-hanger, lashing strap if desired. The spacer is stackable so that you may suspend the cable bundle at any desired distance from the messenger wire in order to keep the cable runs parallel.

Weather-Resistant Nylon 12 Hanger Strap (releasable)

Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Diameter (in.)	Hook Material	Tensile Strength (lb.)	Std. Pkg.
TY54407X	.500	6.36	2	Steel	200	50
TY54413X	.500	13.75	4	Steel	200	25

The recommended, maximum continuous static loading for the nylon 12 straps is 25 lb. per strap. For best results suggested spacing is 15 inches. It is the responsibility of the user to determine whether or not their application meets our recommendation.