



# Emergency Tow Packages

## Easy, light, ready-to-go tow lines in one simple container

Cortland offers a full range of high performance synthetic rope solutions which are stronger, safer, lighter and easier to handle than wire rope.

One standard solution is Cortland's Emergency Tow Package system, containing all elements needed for quick response to tow and recovery needs. The ETS-450 and ETS-900 Emergency Tow Packages are complete rope assemblies consisting of a Plasma<sup>®</sup> Tow Line with thimble eyes, Spectra<sup>®</sup> floating pickup line and lighted buoy all stored inside a weather proof plastic container.

### Tow Line

Cortland's floating tow lines are made with a soft, torque-free braided construction and high visibility urethane coating. Unlike Kevlar<sup>®</sup> lines, they do not require special large radius chocks or fairleads and can be handled in the same manner as regular towing hawsers.

**ETS-450**—56mm dia (7" circ) x 76 meter (250-ft) of Plasma<sup>®</sup> 12 Strand

**ETS-900**—80mm dia (10" circ) x 91 meter (300-ft) of Plasma<sup>®</sup> 12 Strand

The ETS-450 has a minimum break strength of 2,000 kN (450,000 lbs), meeting the requirements for tankers under 50,000 dwt. The ETS-900 has a minimum break strength of 4,000 kN (900,000 lbs) meeting the requirements for tankers over 50,000 dwt.

### Pickup Line

The pick-up line is a high visibility Spectra<sup>®</sup> 12 Strand floating rope with a minimum break strength of 200 kN (45,000 lbs): 22mm (7/8 inch) diameter x 122 meters (400-ft).

### Lighted Buoy

An automatically activated lighted buoy, small enough to fit through any chock and that will accept the tow line thimbles, is also included.

### Storage Box

All items arrive inside a heavy duty polypropylene storage container, which is ready to attach to the deck. The line is flaked into the container for easy attachment and deployment.

### Features

- Complete assemblies, including a Plasma<sup>®</sup> tow line, Spectra<sup>®</sup> floating pick up line, and lighted buoy
- Weights:
  - 550 lbs ETS-450
  - 1,100 lbs ETS-900
- All components in compliance with 1994 SOLAS Convention requirements
- All contained in a weatherproof

### Innovative solutions. Custom built.

Call us for your next project or email us at [cortland@cortlandcompany.com](mailto:cortland@cortlandcompany.com).



# Plasma® Truck Winch Lines & Bridle Slings

## Plasma® 12 Strand Winch Lines

Plasma® 12 Strand Winch Lines				Steel Wire Rope (6x19 or 6x36 IPS)		
Dia. Size	Wt. / foot (lbs.)	MBS (lbs.)	WLL (@5:1)	Dia. Size	Wt. / foot (lbs.)	MBS (lbs.)
5/8"	0.106	51,400	10,280	5/8"	0.66	33,400
3/4"	0.133	68,500	13,700	3/4"	0.95	47,600
13/16"	0.159	74,000	14,800			
7/8"	0.196	92,600	18,520	7/8"	1.29	64,400
1"	0.234	110,000	22,000	1"	1.68	83,600
1-1/8"	0.319	147,000	29,400	1-1/8"	2.13	105,200
1-1/4"	0.362	165,000	33,000	1-1/4"	2.63	129,200
1-5/16"	0.417	196,000	39,200			
1-1/2"	0.517	221,000	44,200	1-1/2"	3.78	184,000



Plasma® specifications are based on splice-terminated ropes.

Plasma® 12 Strand winch lines are available in bulk lengths on reels or in cartons, or splice-fabricated to order  
Wire rope specifications based on Wire Rope Sling User's Manual – Third Edition – Wire Rope Technical Board

## Endless Loop Fabrication Plasma® 12 Strand Bridle Slings

Plasma® 12 Strand rope fabricated into an endless loop sling. Entire sling is encased in a braided synthetic fiber chafe covering; either Cortland SX (HMPE) or polyester. Each sling is tag-certified.

Specifications		Sling Rated Capacities @ 5:1 WLL (lbs.)	
Dia. Size	MBS	Vertical	
5/8"	84,810	16,900	
3/4"	113,025	22,600	
13/16"	122,100	24,400	
7/8"	152,790	30,500	
1"	181,500	36,300	
1-1/8"	242,550	48,500	
1-1/4"	272,225	54,400	
1-5/16"	323,400	64,000	
1-1/2"	364,650	72,000	



Plasma® specifications are based on endless loop (grommet) fabrication using one end-for-end splice.

Plasma® endless loop (grommet) lifting slings conform to ASME B30.9 Synthetic Rope Lifting Sling Standards.  
Standard truck bridle length is 14' OAL (overall length)