

End termination

Eyelets, threaded screws, or balls may be crimped, laser welded, soldered, pressed, caulked, or swaged onto the ends of stainless steel cables to optimize mechanical performance and comply with space requirements. Asahi Intecc engineers carefully review both initial tension and initial cable elongation, and wire rope elongation after bending several cycles as well as the break load to help clients select the correct terminal and stainless cable configuration.

Eye end



Mainly used in connection to a pin or a screw.

Wire rope stake eyes can be bent to any specified angle.



Caulking is possible without removing the coating, even with coated wire rope.

Loop end



Mainly used in connection to a pin.

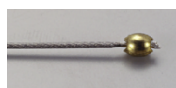
Used for many applications as loop can be sized to suit specific need.



*With a thimble

Used in cables with loops when wear is a concern. Provides wear resistance, greater strength and keeps shape of loop open.

Ball end



Ball can be swaged on in either the end or the middle of an assembly. Mainly used in connection to a slit.

Threaded Studs end



Used in application which need to make fine adjustment to the length.

Flat end



Flat can be swaged on in the middle of an assembly. Mainly used for intermediate attaching.

Stop end













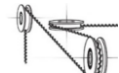



Stop can be swaged on in either the end or the middle of an assembly. Mainly used in application which permit rotation.

Product lineup

Specifications and Comparison of properties

Legend : 5=Highest, 1=Lowest applicability

Category	Item	Type	Specification(Trial)		1to1 Torque response	High-speed rotation	Push/Pull	Compression	Flexibility	Feature
			OD(mm)	ID(mm)						
Hollow cable	Torque coil	 3layer 2layer flat auger*	0.36-6.00	0.18-3.20	5	5	3	2	4	bi-directional (3 layers) or unidirectional (2 layers) rotation *Archimedes screw with spiral wire
	Torque Hypotube		0.20-1.10	0.10-0.70	5	2	5	5	1	high breaking strength and elongation resistance
	ACT ONE	 standard flat ultra thin auger*	0.21-4.52	0.13-3.20	4	3	4	3	3	well balanced properties *Archimedes screw with spiral wire
	Wire coil	 round flat	0.10-3.50	~1.80	1	1	2	4	5	high flexibility and compression resistance
Cable	Drive Cable	 2-6layer	0.41-6.00	-	5	5	5	4	2	Optimized for high speed rotation and power transmission
	Torque rope	 1x3,1x7, 1x12,1x19	0.30-3.00	-	4	3	5	4	3	1:1 torque transmission at hand-speed rotation
	Wire rope	 1x7,1x19 7x7,7x19 7x7x7, etc.	0.09-3.00	-	1	1	5	4	3	High breaking strength and elongation resistance
Coating	Outer coating	 Extrusion Dip coat Spray	Floropolymer Nylon, etc.	To add lubricity, ablation resistance or biocompatible sealing to cable						
	Inner tube		Floropolymer	Inner coating applied to a hollow cable						
	Precoating		PTFE	Coating for both inner and outer of hollow cable without losing the property of the cable						
Assembly	Machining & Assembly	 Laser welding, Grinding Tube assembly	Variety of welding and machining available for assembly or additional mechanical property							
	End termination	 Ball, Eye, Loop, etc.	For the end of a cable or used for intermediate attaching.							
Power transmission	Synchromesh wire rope	 AWS40 -AWS120	1.10-3.40	-	Synchronous round belt, ideal for linear-motion system drawn in 3-dimensional.					
	Cable rack	 CL0.8S / H	W3.0 x H3.6	-	With stainless cable core, ideal when the Rack needs to be flexible and high-force movement required.					