

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.

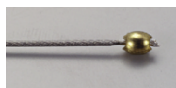
Used for many applications as loop can be sized to suit specific need.



*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	0.36-6.05	0.18-5.25	↑	5	3	2	4	bi-directional (3 layers) or unidirectional (2 layers) rotation *Archimedes screw with spiral wire					
		2layer	0.30-5.17	0.15-3.55											
		flat auger*	-	-											
	ACT ONE	standard	0.21-5.22	0.13-4.00						4	3	4	3	3	well balanced properties *Archimedes screw with spiral wire
		flat	0.21-4.70	0.16-3.95											
		ultra thin auger*	0.42-3.90	0.34-3.35											
Wire coil	round	0.10-3.50	~1.80	1	1	2	4	5	high flexibility and compression resistance						
	flat	0.10-5.90	0.07-5.30												
Cable	Drive Cable	2-6layer	OD(mm)						ID(mm)						↑
			0.41-6.00						-						
	Torque rope	1x3,1x7, 1x12,1x19	0.30-3.00						-	4	3	5	4	3	
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	W3.0xH3.6	-						With stainless cable core, ideal when the Rack needs to be flexible and high-force movement required.					