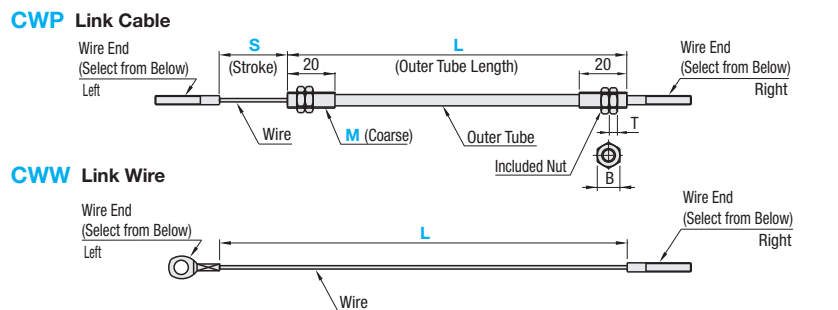


Link Cable / Wire



RoHS10

Operating Temperature Applicable: -25 to +80°C
 Material: Wire Outer End (Threaded): SUS304 Equivalent
 Included Nut 4 pcs. (JIS Class 3): SUS304 Equivalent
 Outer Tube (Sheath): PVC (Black)
 Internal Liner: PE
 Inner Core Rod: Copper for Screw



Wire End Selection

M: Threaded Type						N: Tapped Type						P: Ring	
No.	M	Pitch (F)	ℓ	(W)		No.	M	Pitch (F)	ℓ	B		No.	d(I.D.)
M 03	3	0.5	20	10	2.5	N 03	3	0.5	20	10	5.5	P 03	3.2
M 04	4	0.7	25	15	3.5	N 04	4	0.7	25	15	7	P 04	4.2
M 05	5	0.8	30	20	4.5	N 05	5	0.8	30	20	8	P 05	5.2

Material: SUS303 Equivalent
 Included Nut, 1 pc. (JIS Class 3): SUS304 Equivalent

Link Cable

Part Number	Wire End No. Selection		S (Stroke) 10 mm Increment	L (Outer Length) 10 mm Increment	Wire Dia. (Ø)	Outer Diameter (Ø)	Outer End M (Coarse)	Included Nut B	T	Max. Operating Force N (kgf)	Minimum Bending Radius R
	Left	Right									
CWP	0.7	M 03 / N 04 / P 05	40-500	200-3000	0.75	5	M5	8	3.2	294[30]	75
	1.2	M 03 / N 04 / P 05	40-500	200-3000	1.2	5	M6	10	3.6	706[72]	
	2.0	M 03 / N 04 / P 05	40-500	300-3000	2.0	6	M8	13	5	1878[192]	100

Durability & Replacement Cycle <Reference Value>

Wire Dia. d	Safety Factor	Pull Count	Max. Operating Force N (kgf)			
			0.1 Million Times	0.3 Million Times	0.5 Million Times	1 Million Times
0.7	Operating Force N [kgf]	294 [30]	176 [18]	88 [9]	29 [3]	
1.2			706 [72]	424 [43]	212 [22]	71 [7]
2.0			1878 [192]	1127 [115]	563 [58]	188 [19]

Link Wire

Part Number	Wire End No. Selection		L 10mm Increment	Wire Dia. (Ø)	Max. Operating Force N (kgf)	Minimum Bending Radius R
	Left	Right				
CWW	0.7	M 03 / N 04 / P 05	40-5000	0.75	294[30]	20
	1.2	M 03 / N 04 / P 05	40-5000	1.2	706[72]	32
	2.0	M 03 / N 04 / P 05	40-5000	2.0	1878[192]	52

*When wiring the pulley, durability degrades depending on the pulley specifications.

Wire Specifications & Elongation <Reference Value>

Wire Dia. d	Wire Structure (Twisted)	When used at the maximum operating force			
		Applied Load	Total Elongation	Elastic Elongation	Permanent Elongation
0.7	Multi-twisted (7x19)	294N	1.17%	1.13%	0.04%
1.2		706N	1.13%	1.09%	0.03%
2.0		1878N	1.13%	1.08%	0.05%

Ordering Example: Part Number - Wire End - Stroke - Outer Length Wire Length

CWP0.7 - M03 - N03 - S40 - 1000

CWW1.2 - P04 - N04 - 1200

Alterations: Part Number - Wire End - Stroke - Outer Length - (BL-WBL)

CWP0.7 - M03 - N04 - S40 - 1000 - BL

Link Cable

Part Number	Wire End	Unit Price			
		L-500	-1000	-2000	-3000
CWP	0.7	PP			
		MP NP / MM MN NN			
	1.2	PP			
		MP NP / MM MN NN			
	2.0	PP			
		MP NP / MM MN NN			

Link Wire

Part Number	Wire End	Unit Price			
		L-500	-1000	-3000	-5000
CWW	0.7	PP			
		MP NP / MM MN NN			
	1.2	PP			
		MP NP / MM MN NN			
	2.0	PP			
		MP NP / MM MN NN			

Alteration Spec. Bracket Included

Type	No.	D
CWP	0.7	5.3
	1.2	6.5
	2.0	8.5

Shipped with the mounting brackets and screws included.
 Bolt: SCB4-10, 2 pcs.
 Applicable to CWP
 Material: SUS304

Code: BL (1 pc.), WBL (2 pcs.)

Features of Link Cable

Generally called PULL cable - a control cable that can perform complex power transmissions to the device installed far away by transmitting the pull force and displacement, using together with various connecting parts.

Originally designed as the internal components of the automobiles - the power transmission component with the characteristics of "lightweight", "direct feel", "assembly", "vibration damping & sound proofing", and "safety".

<Flexible Design/Assembly> Without requiring the joint mechanism of the intermediate area, all you need is a gap in the outer diameter to connect the drive component and the operating unit three-dimensionally.

<Quake Resistance & Sound Proofing> Less rigid compared to the mechanical rod type and excels in sound dampening and vibration insulation.

<Space Saving> Flexible placement of drive components and operating unit allows you to make the unit compact.

<Reliability> Highly reliable as you can directly connect the operating unit and the drive components mechanically.

<Economical> Simpler structure compared to the other connecting mechanism. Fewer assembly tasks required and easy to wire.

Cautions on Designing/Using Link Cables

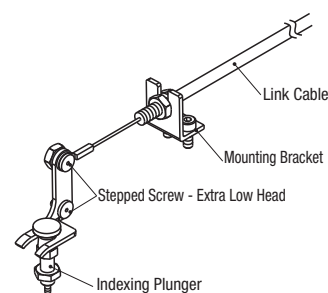
- Use it within the load capacity of the maximum operating force.
- To avoid loosening, make sure to secure the area where the outer tube is attached. (Depending on your situation, order the alterations of the mounting bracket and use them accordingly.)
- When you bend the cable for wiring, keep at least 100 mm straight to avoid creating a bending angle on the threaded area of both ends of the outer tube. Do not clamp the bending area of the outer tube. (It could degrade the durability.)
- Wire the cable to make the bending angle to be above the minimum bending radius R.
- Keep the bending minimum when you wire the cable.
- If you have to extend the wiring, secure the outer tube where appropriate to prevent the outer tube from moving broadly during operations.
- To wire the cable in S-shaped form, provide a linear part that is at least twice the stroke. Failure to do so will degrade the operating force by half.
- Cautions on Using Link Wire

If you use the wire with a pulley, the outer diameter of the pulley must be longer than those shown in the below table. Durability varies depending on the operation speed or the load weight.

No.	Wire Dia.	Pulley Dia.
0.7	0.75	20
1.2	1.2	32
2.0	2.0	52



Remote Controlling of Indexing Plunger



1-Input / 2-Output Mechanism

