

### ANYCHAIN-MSCYY101 40 million times on bending.



#### Applications

It is suitable for indoor installation under continuous reciprocating motion, especially for frequent bending in the industrial environment, such as the standard components of modern machinery in drag chains, logistics systems, control systems, mechanical automation systems, etc. CNC machine tools, wood and stone machinery, glass and window machinery, injection molding machines, construction machinery, heavy machinery factories, automobile manufacturing, lifting and transportation equipment, automated warehouses and other occasions.

#### Approvals



#### Technical Data

Rated voltage : Section size <math> < 0.5\text{mm}^2 </math>: 300/300V  
 bending radius : Section size  $\geq 0.5\text{mm}^2$ : 300/500V  
 Fixed installation : 4xD  
 Mobile installation : 7.5xD

#### Construction

Conductor : Multiple strands of ultra-fine 0.08 oxygen-free bare copper wire, Class 6.  
 Insulation : NBR mixture material with high mechanical properties  
 Cores : Cross-sectional area of less than 0.5 mm<sup>2</sup> is colored cores in different color.  
 $\geq 0.5\text{mm}$  black numbered white number, one of the core wires can be grounded in yellow/green (optional)  
 Cores structure: Filled gaps for pair and stranded of optimized structures  
 Jacket material: Highly mechanical TPE mixture for drag chain cables  
 Color: Black or Grey (on request)

#### Application Advantage

mobile application : Laying trip: < 100m  
 Acceleration: 60m/S<sup>2</sup>  
 Travel speed < 6m/S  
 Bending life : 40times/minute, > 40 million times

Test voltage : 2000V  
 Working temperature : Fixed installation : -15°C+80°C  
 Mobile installation : -5°C+80°C  
 Standards and Certification : Comply to CE/UL/TUV.

Type	Cores or Section	External Diameter mm	Weight kg/km
070MSCYY101020014	2×0.14	4.4	26.3
070MSCYY101030014	3×0.14	4.6	30.7
070MSCYY101040014	4×0.14	4.9	36.0
070MSCYY101050014	5×0.14	5.2	41.6
070MSCYY101060014	6×0.14	5.6	49.0
070MSCYY101070014	7×0.14	6.0	56.9
070MSCYY101080014	8×0.14	6.6	66.8
070MSCYY101100014	10×0.14	7.4	84.2

Type	Cores or Section	External Diameter mm	Weight kg/km
070MSCYY101120014	12×0.14	8.3	97.8
070MSCYY101150014	15×0.14	9.1	118.4
070MSCYY101160014	16×0.14	9.1	122.4
070MSCYY101180014	18×0.14	10	141.5
070MSCYY101200014	20×0.14	10.1	148.8
070MSCYY101250014	25×0.14	11.0	182.2
070MSCYY101300014	30×0.14	12.1	217.8
070MSCYY101360014	36×0.14	13.3	244.2