

### ANYCHAIN-EHSCYY101 10 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 : 6.8xD

#### Construction

Conductor : Multiple strands of ultra-fine 0.08 oxygen-free bare copper wire  
 Insulation: TPEE, a polyester elastomer 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  
 High conductivity tinned copper wire braided shielding, density  $\geq 80\%$   
 Jacket material: Highly mechanical PUR mixture for drag chain cables  
 Color: Black or Grey (on request)

#### Application Advantage

mobile application : Laying trip: <math> < 100\text{m}</math>  
 Acceleration: 100m/S<sup>2</sup>  
 Travel speed <math> < 10\text{m/S}</math>  
 Bending life : 60times/minute, > 10 million times

Test voltage : 2000V  
 Working temperature : Fixed installation : -30°C+90°C  
 Mobile installation : -15°C+90°C  
 Standards and Certification : Comply to CE/UL/TUV.

| Type               | Cores or Section | External Diameter mm | Weight kg/km |
|--------------------|------------------|----------------------|--------------|
| 090EHSCYY101020025 | 2×0.25           | 4.5                  | 27.0         |
| 090EHSCYY101030025 | 3×0.25           | 4.8                  | 33.0         |
| 090EHSCYY101040025 | 4×0.25           | 5.2                  | 41.0         |
| 090EHSCYY101050025 | 5×0.25           | 5.6                  | 49.0         |
| 090EHSCYY101060025 | 6×0.25           | 6.1                  | 57.0         |
| 090EHSCYY101070025 | 7×0.25           | 6.5                  | 65.0         |

| Type               | Cores or Section | External Diameter mm | Weight kg/km |
|--------------------|------------------|----------------------|--------------|
| 090EHSCYY101080025 | 8×0.25           | 7.1                  | 74.0         |
| 090EHSCYY101100025 | 10×0.25          | 8.0                  | 90.0         |
| 090EHSCYY101020034 | 2×0.34           | 5.0                  | 31.0         |
| 090EHSCYY101030034 | 3×0.34           | 5.3                  | 39.0         |
| 090EHSCYY101040034 | 4×0.34           | 5.7                  | 48.0         |
| 090EHSCYY101050034 | 5×0.34           | 6.2                  | 58.0         |