

High Flexible Drag Chain Cables

Double Twisted Shielded Signal Cable, 10 Million Times

Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZIE27	Signal Cable	Double Twisted Shielded	PVC	PVC	Slight Oil Resistant	Black

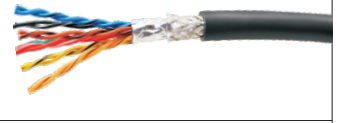
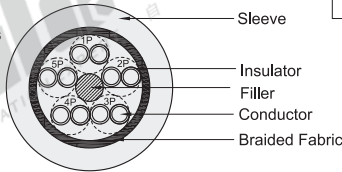
CE

Feature:

- The high flexible PVC sleeve cable used in the drag chain system which are extremely resistant to oil and coolant, and can be used in humid environments, but it cannot be used outdoors.
- The special construction and the all-synthetic material of PVC enable the cable to a long working life.

Application:

- The high flexible drag chain cable of 10 million times can be used for data and signal cables in the system; sensor technology, computers and mechanical control equipment, the overall copper wire shielding ensures accurate data transmission and protection from electromagnetic interference.



Sell by	Length Per Roll
Roll	100m/Roll

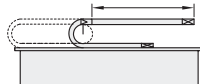
Conductor: multiple pieces of ultra-fine copper core twisted according to VDE 0295 standard
Stranded Construction: Twisted



10 Million Drag Chain Cable Test Standards

Moving Bending Test Standard (Drag Chain Test)

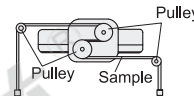
Simulate conditions of cable bending and movement in the drag chain for testing; Select finished product as sample and fix it on the drag chain test device according to the method shown in the figure below, bending radius $r=6D$; $S=900\text{mm}$; The test speed is 90 times/min.



r =Bending Radius
 S =Moving Stroke of Drag Chain
 D =Cable Diameter
The number of round trips exceeds 1000000 times without disconnection

Moving Bend Test Standard

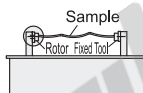
Take the sample from the finished product, and fix the moving pulley and the weight as shown in the figure below. The diameter of the pulley and the weight of the weight refer to the EN50396 standard. The speed of the moving pulley is 0.33m/s and the moving distance is more than 1.0m.



The number of round trips exceeds 50000 times without short circuit.
The insulation sleeve is not cracked or damaged

Straight Torsion Test Method

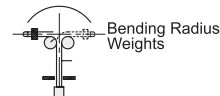
Take the sample from the finished product and fix it on the On the linear torsion sample device, the angle of the rotor is set to 6 (0-180) according to the customer request at a rate of 30 times per minute degree for testing.



The number of round trips exceeds 50000 times without short circuit.
The insulation sleeve is not cracked or damaged

90° Bend Test Standard

Take the sample from the finished product and fix it on the 90° bending test device as shown in the figure below on the test device, the other end hangs the specified weight; The bending radius and the weight of the weight refer to the UL standard, and the test speed is 40 times / min.



The number of round trips exceeds 50000 times without short circuit.
The insulation sleeve is not cracked or damaged

Part Number		Logarithm	Length (m)	Conductor Structure (Piece/mm)	Insulator Outer Diameter (mm)	Reference Cable Outer Diameter (mm)	Reference Weight (kg/km)
Code	Conductor AWG (mm ²)						
ZIE27	24 (0.2)	1P	100 (Sell by Roll 100m/Roll)	41/0.08	1.1	4.2	40
		2P				5.8	53
		3P				6.5	62
		4P				7	77
		5P				7.6	87
		7P				8	112
		8P				9	129
		1P				4.6	45
	22 (0.3)	2P		60/0.10	1.2	6	59
		3P				6.5	72
		4P				7.2	88
		5P				8	102
		7P				9	134
		8P				9.6	146

Technical Parameters

Movement Lifespan	10 Million Times
Rated Voltage	300V
Test Voltage	3000V/min
Bending Radius	7.5×OD
Operating Temperature	-30 ~ +80°C
Standards	CE
Flammability Rating	VW-1

Core Identification

No.	Color	No.	Color
1	Red/Red and White	5	Yellow/Yellow and Black
2	Blue/Blue and Black	6	Orange/Orange and Black
3	Black/Black and White	7	Brown/Brown and Black
4	Green/Green and Black	8	White/White and Black



Please order as shown

Part Number		Logarithm	Length (m)
Code	Conductor AWG (mm ²)		
ZIE27	23 (0.2)	2P	100 (Sell by Roll 100m/Roll)
		3P	

ZIE27-24-2P-100