

Without Shielding

Power Cable, 10 Million Times

High Flexible Drag Chain Cables

Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZIE30	Power Cable	Without Shield	PVC	PVC	Slight Oil Resistant	Black

CE

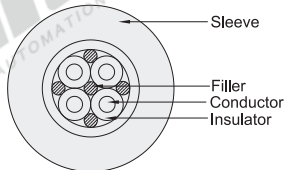


Feature:

- 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:

- Power supply high-speed drag chain cables are mainly used for control and power transmission systems, widely used in towline systems, sensor technology, computer and control equipment and engineering; three cores and more than three cores wire have yellow-green protective grounding wires. The core wires are twisted into cables with a short twisting pitch, and the overall copper wire shielding ensures accurate data transmission and protection from electromagnetic interference.



Sell by	Length Per Roll
Roll	100m/Roll

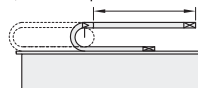
Conductor: multiple pieces of ultra-fine copper core twisted according to VDE 0295 standard
Stranded Construction: Stranded



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.

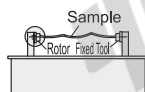


r =Bending Radius
 S =Moving Stroke of Drag Chain
 D =Cable Diameter

The number of round trips exceeds 1000000 times without disconnection

Straight Torsion Test Method

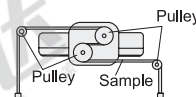
Take the sample from the finished product and fix it on the linear torsion sample device, the angle of the rotor is set to θ (0-180) according to the customer request at a rate of 30 times per minute degree for testing.



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

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

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		Number of Cores	Length (m)	Conductor Structure (Piece/mm)	Insulator Outer Diameter (mm)	Reference Cable Outer Diameter (mm)	Reference Weight (kg/km)
Code	Conductor AWG (mm ²)						
ZIE30	20(0.5)	2	100 (Sell by Roll 100m/Roll)	98/0.08	2	6	48
		3				6.5	59
		4				6.8	70
	19(0.75)	2		147/0.08	2.3	6.8	61
		3				7	75
		4				7.6	93
	17(1.0)	2		203/0.08	2.6	7.5	74
		3				7.6	90
		4				8.3	110
	15(1.5)	2		301/0.08	3	8.4	95
		3				8.5	118
		4				9.2	144
	13(2.5)	3		497/0.08	3.9	10.8	176
		4				11.4	212
	11(4.0)	4		784/0.08	4.8	13.6	311

Technical Parameters

Movement Lifespan	10 Million Times
Rated Voltage	300V
Test Voltage	1.5KV
Bending Radius	7.5×OD
Operating Temperature	-30 ~ + 80°C
Standards	CE
Flammability Rating	VW-1

Core Identification

Conductor AWG (mm ²)	Color
20(0.5)	1.Blue, 2.Brown, 3.Yellow/Green, 4.Red
19(0.75)	
17(1.0)	
15(1.5)	
13(2.5)	
11(4.0)	



Part Number		Number of Cores	Length (m)
Code	Conductor AWG (mm ²)		
ZIE30	20(0.5)	2	100
		3	(Sell by Roll 100m/Roll)

ZIE30-20-2-100