

2 Million Times Flexible Drag Chain Cable Test Standard

2 Million Times Flexible Drag Chain Cable

Widely used in machinery, instruments, industrial electronic equipment, computers, information transmission systems, suitable for any two-way communication occasions.

Twisted pairs of core wires and small pitch prevent interference between core wires and outside.

Outer sleeve color: black

Technical Data

Conductor stranding method: multiple pieces of ultra-fine copper core twisted according to VDE 0295(in category 5 column 3)

Insulation Resistance: Minimum 100M Ohm X Km

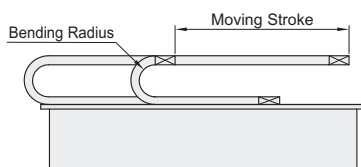
Temperature range: -20°C to +80°C

Bending radius: 6.0×cable diameter

Service life for drag chain system: more than 2 million cycles

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 tested at 90 times/min.



r =Bending Radius

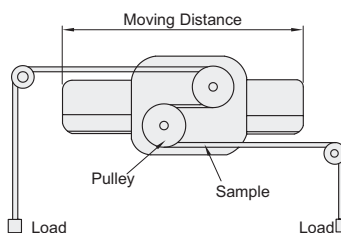
S =Moving Stroke of Drag Chain

D =Cable Diameter

The number of round trips exceeds 2000000 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.



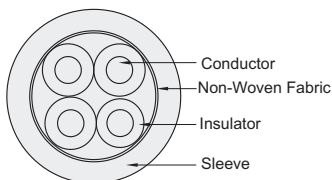
The number of round trips exceeds 500000 times without short circuit.

The insulation sleeve is not cracked or damaged

Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZLK01	Signal Cable	Without Shield	PVC	PVC	Slight Oil Resistant	Black

Application:

Flexible data transmission cables for transmitting analog and digital signals in equipment with a control processor, or as a connection line between instruments and control equipment, suitable for occasions with low power consumption and uninterrupted data transmission; Widely used in machinery, instruments, industrial electronic equipment, computers, information transmission systems, suitable for any two-way communication occasions.



Sell by	Length Per Roll
Roll	100m/Roll

Conductor: multiple pieces of 0.1 tinned annealed copper wire twisted structure



Part Number	Cross-Sectional Area (mm²)	Length (m)	Number of Cores×Cross-Sectional Area(mm²)	20°C Conductor DC Resistance	Cable Outer Diameter (mm)
Code	Number of Cores				
ZLK01	2		2×0.14		3.6
	3		3×0.14		3.8
	4		4×0.14		4.2
	5		5×0.14		4.5
	6		6×0.14	150	4.8
	8	0.14	8×0.14		5.2
	10		10×0.14		6.0
	12		12×0.14		6.2
	16		16×0.14		6.8
	20		20×0.14		7.4
	2		2×0.20		3.8
	3		3×0.20		4.2
	4		4×0.20		4.5
	5		5×0.20		4.8
	6	0.2	6×0.20	95	5.2
	8		8×0.20		5.5
	10		10×0.20		6.2
	12		12×0.20		6.5
	16		16×0.20		7.2
	20		20×0.20		8.0
	2		2×0.30		4.2
ZLK01	3		3×0.30		4.4
	4		4×0.30		4.8
	5		5×0.30		5.2
	6	0.3	6×0.30	71.2	5.5
	8		8×0.30		6.0
	10		10×0.30		7.0
	12		12×0.30		7.2
	16		16×0.30		8.0
	20		20×0.30		8.6
	6		6×0.50		6.6
	8		8×0.50		7.0
	10	0.5	10×0.50	39	8.4
	12		12×0.50		8.6
	16		16×0.50		9.4
	20		20×0.50		10.0
	6		6×0.75		7.5
	8	0.75	8×0.75	26	8.2
	10		10×0.75		9.5

Core Wire Color Identification

Cross-Sectional Area 0.5mm² or Less

No.	Color	No.	Color
1	Red	11	Red and White
2	Black	12	Black and White
3	Blue	13	Blue and Black
4	Green	14	Green and Black
5	Yellow	15	Yellow and Black
6	Orange	16	Orange and Black
7	Brown	17	Brown and Black
8	White	18	White and Black
9	Purple	19	Purple and Black
10	Grey	20	Grey and Black

Cross-Sectional Area of 0.5mm² or More

No.	Color
1	Black and Digital Code
Others	Yellow and Green

Technical Parameters

Movement Lifespan	Over 2 Million Times
Rated Voltage	300V
Test Voltage	1.5KV
Bending Radius	7.5×OD
Operating Temperature	-20 ~ +80°C
Standards	CE
Flammability Rating	VW-1



Part Number	Cross-Sectional Area(mm²)	Length(m)
Code	Number of Cores	
ZLK01	2	0.14
	3	100
(Sell by Roll 100m/Roll)		

ZLK01 - 2 - 0.14 - 100

Flexible Drag Chain Cables

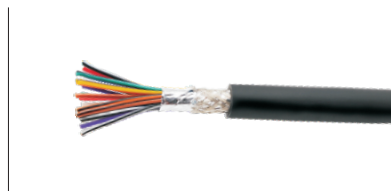
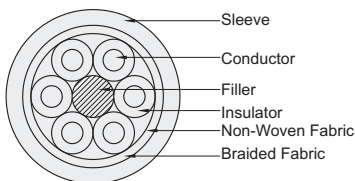
with Shield

Signal Cable, 2 Million Times

Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZLK02	Signal Cable	with Shield	PVC	PVC	Slight Oil Resistant	Black

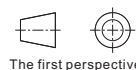
Application:

Flexible data cables for the transmission of analog and digital signals in equipment with a control processor, or as a connection between an instrument and a control equipment.



Sell by	Length Per Roll
Roll	100m/Roll

Conductor: multiple pieces of 0.1 tinned annealed copper wire twisted structure



The first perspective

Part Number		Cross-Sectional Area (mm²)	Length (m)	Number of Cores×Cross -Sectional Area(mm²)	20℃ Conductor DC Resistance	Cable Outer Diameter (mm)
Code	Number of Cores					
ZLK02	2	0.14		2×0.14	150	4.0
	3			3×0.14		4.2
	4			4×0.14		4.5
	5			5×0.14		4.8
	6			6×0.14		5.2
	8			8×0.14		5.5
	10			10×0.14		6.4
	12			12×0.14		6.5
	16			16×0.14		7.2
	20			20×0.14		7.8
	2	0.2	(Sell by Roll 100m/Roll)	2×0.20	95	4.4
	3			3×0.20		4.6
	4			4×0.20		4.9
	5			5×0.20		5.2
	6			6×0.20		5.6
	8			8×0.20		6.0
	10			10×0.20		6.8
	12			12×0.20		7.0
	16			16×0.20		7.6
	20			20×0.20		8.5
	2	0.3		2×0.30	71.2	4.6
	3			3×0.30		4.8
	4			4×0.30		5.1
	5			5×0.30		5.5
	6			6×0.30		6.0
	8			8×0.30		6.4
	10			10×0.30		7.2
	12			12×0.30		7.5
	16			16×0.30		8.4
	20			20×0.30		9.0

Core Wire Color Identification

No.	Color	No.	Color
1	Red	11	Red and White
2	Black	12	Black and White
3	Blue	13	Blue and Black
4	Green	14	Green and Black
5	Yellow	15	Yellow and Black
6	Orange	16	Orange and Black
7	Brown	17	Brown and Black
8	White	18	White and Black
9	Purple	19	Purple and Black
10	Grey	20	Grey and black

Technical Parameters

Movement Lifespan	Over 2 Million Times
Rated Voltage	300V
Test Voltage	1.5KV
Bending Radius	7.5×OD
Operating Temperature	-20 ~ + 80°C
Standards	CE
Flammability Rating	VW-1



Please order as shown

Part Number		Cross-Sectional Area(mm²)	Length(m)
Code	Number of Cores		
ZLK02	2	0.14	100
	3		(Sell by Roll 100m/Roll)

ZLK02 - 2 - 0.14 - 100

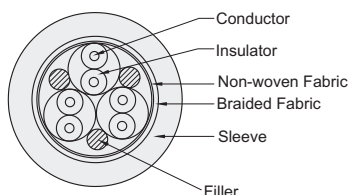
Double-Twisted Shielded

Signal Cable, 2 Million Times

Flexible Drag Chain Cables

Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZLK03	Signal Cable	Double-Twisted Shield	PVC	PVC	Slight Oil Resistant	Black

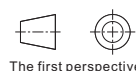
Application:
Flexible data cables for the transmission of analog and digital signals in equipment with a control processor, or as a connection between an instrument and a control equipment.



Conductor: multiple pieces of 0.1 tinned annealed copper wire twisted structure



Sell by	Length Per Roll
Roll	100m/Roll



The first perspective

Part Number	Cross-Sectional Area (mm²)	Length (m)	Number of Cores×Cross-Sectional Area(mm²)	20°C Conductor DC Resistance	Cable Outer Diameter (mm)
Code	Number of Cores				
ZLK03	1P(2)	0.14	1P×0.14	150	3.9
	2P(4)		2P×0.14		5.5
	3P(6)		3P×0.14		5.6
	4P(8)		4P×0.14		6.2
	5P(10)		5P×0.14		6.8
	6P(12)		6P×0.14		7.0
	7P(14)		7P×0.14		7.5
	8P(16)		8P×0.14		7.8
	10P(20)		10P×0.14		8.5
	13P(26)		13P×0.14		9.3
	1P(2)	0.2	1P×0.2	95	4.2
	2P(4)		2P×0.2		5.6
	3P(6)		3P×0.2		6.0
	4P(8)		4P×0.2		6.8
	5P(10)		5P×0.2		7.2
	6P(12)		6P×0.2		7.6
	7P(14)		7P×0.2		8.0
	8P(16)		8P×0.2		8.5
	10P(20)		10P×0.2		9.2
	1P(2)	0.3	1P×0.3	71.2	4.6
	2P(4)		2P×0.3		6.2
	3P(6)		3P×0.3		6.6
	4P(8)		4P×0.3		7.3
	5P(10)		5P×0.3		7.8

Core Wire Color Identification

No.	Color	
1P	Red	Red and White
2P	Blue	Blue and Black
3P	Black	Black and White
4P	Green	Green and Black
5P	Yellow	Yellow and Black
6P	Orange	Orange and Black
7P	Brown	Brown and Black
8P	White	White and Black
9P	Purple	Purple and Black
10P	Grey	Grey and Black
11P	Blue and White	Blue and Red
12P	Green and White	Green and Red
13P	Yellow and White	Yellow and Red

Technical Parameters

Movement Lifespan	Over 2 Million Times
Rated Voltage	300V
Test Voltage	1.5KV
Bending Radius	7.5×OD
Operating Temperature	-20 ~ + 80°C
Standards	CE
Flammability Rating	VW-1



Please order as shown

Part Number	Cross-Sectional Area(mm²)	Length(m)
Code	Number of Cores	
ZLK03	2P	100
	3P	(Sell by Roll 100m/Roll)

ZLK03 - 2P - 0.14 - 100

Flexible Drag Chain Cables

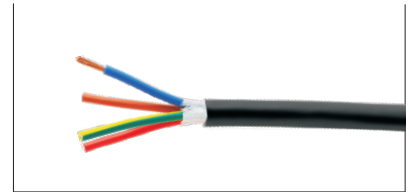
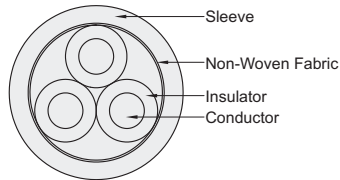
Without Shielding

Power Cable, 2 Million Times

Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZLK04	Power Cable	Without Shield	PVC	PVC	Slight Oil Resistant	Black

Application:

Mainly used for control and power transmission system, widely used in sensing technology, computer and mechanical control equipment and control engineering;
There are yellow-green protective ground wires for three cores and above three cores.



Sell by	Length Per Roll
Roll	100m/Roll

Conductor: multiple pieces of 0.15 tinned annealed copper wire twisted structure



The first perspective

Part Number		Cross-Sectional Area (mm ²)	Length (m)	Number of Cores×Cross -Sectional Area(mm ²)	20°C Conductor DC Resistance	Cable Outer Diameter (mm)
Code	Number of Cores					
ZLK04	2	0.5		2×0.5	39	5.6
	3			3G×0.5		6.0
	4			4G×0.5		6.5
	2	0.75		2×0.75	26	6.0
	3			3G×0.75		6.5
	4			4G×0.75		7.2
	2	1	(Sell by Roll 100m/Roll)	2×1.0	19.5	6.4
	3			3G×1.0		6.9
	4			4G×1.0		7.8
	2	1.5		2×1.5	13.3	7.5
	3			3G×1.5		8.2
	4			4G×1.5		9.0
	2	2.5		2×2.5	7.98	9.0
	3			3G×2.5		9.8
	4			4G×2.5		11.0
	4	4		4G×4.0	4.95	12.8
	4	6		4G×6.0	3.3	14.4

Core Wire Color Identification

No.	Color
1	Blue
2	Brown
3	Yellow-Green
4	Red

Technical Parameters

Movement Lifespan	Over 2 Million Times
Rated Voltage	300V
Test Voltage	2KV
Bending Radius	7.5×OD
Operating Temperature	-20 ~ + 80°C
Standards	CE
Flammability Rating	VW-1



Part Number	Cross-Sectional Area(mm²)	Length(m)
Code	Number of Cores	
ZLK04	2	100
	3	
ZLK04 - 2 - 0.5 - 100		

5 Million Times Flexible Drag Chain Cable Test Standards

5 Million Times Flexible Drag Chain Cable

Widely used in machinery, instruments, industrial electronic equipment, computers, information transmission systems, suitable for any two-way communication occasions.

Twisted pairs of core wires and small pitch prevent interference between core wires and outside.

Outer sleeve color: black

Technical Data

Conductor stranding method: multiple pieces of ultra-fine copper core twisted according to VDE 0295(in category 6 column 4)

Insulation Resistance: Minimum 100M Ohm X Km

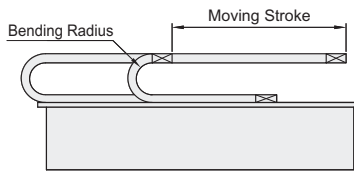
Temperature range: -20°C to +80°C

Bending radius: 6.0×cable diameter

Service life for drag chain system: more than 5 million cycles

Moving Bending Test Standard (Drag Chain Test)

Simulate various 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 tested at 90 times/min.



r =Bending Radius

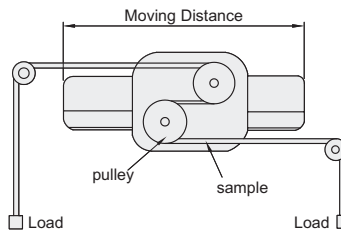
S =Moving Stroke of Drag Chain

D =Cable Diameter

The number of round trips exceeds 5000000 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 200000 times without short circuit.

The insulation sleeve is not cracked or damaged

Flexible Drag Chain Cables

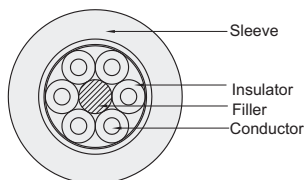
Without Shielding

Signal Cable, 5 Million Times

Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZLK21	Signal Cable	Without Shield	PVC	PVC	Slight Oil Resistant	Black

Application:

Flexible data transmission cables, which can transmit analog and digital signals in devices with control processors, or as connecting wires between instruments and control devices, are suitable for occasions with low power consumption and uninterrupted data transmission, and are widely used in machinery and instruments, Industrial electronic equipment, computers, information transmission systems, suitable for any two-way communication occasions.

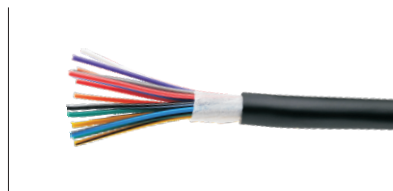


Sleeve

Insulator

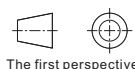
Filler

Conductor



Sell by	Length Per Roll
Roll	100m/Roll

Conductor: multiple pieces of tinned annealed copper wire twisted structure



The first perspective

Part Number	Cross-Sectional Area	Length	Number of Cores×Cross-Sectional Area(mm²)	20°C Conductor DC Resistance	Cable Outer Diameter
Code	Number of Cores	(mm²)	(m)		(mm)
ZLK21	2	0.2	2×0.20	95	3.8
	3		3×0.20		4.0
	4		4×0.20		4.5
	5		5×0.20		4.8
	6		6×0.20		5.2
	8		8×0.20		6.0
	10		10×0.20		6.8
	12		12×0.20		6.5
	16		16×0.20		7.2
	20		20×0.20		8.0
	2	0.3	2×0.30	71.2	4.2
	3		3×0.30		4.4
	4		4×0.30		4.8
	5		5×0.30		5.2
	6		6×0.30		5.5
	8		8×0.30		6.5
	10		10×0.30		7.3
	12		12×0.30		7.0
	16		16×0.30		7.8
	20		20×0.30		8.5
	6	0.5	6×0.50	39	6.5
	8		8×0.50		7.6
	10		10×0.50		8.8
	12		12×0.50		8.4
	16		16×0.50		9.4
	20		20×0.50		10.2

Core Wire Color Identification

Cross-Sectional Area 0.5mm² or Less

No.	Color	No.	Color
1	Red	11	Red and White
2	Black	12	Black and White
3	Blue	13	Blue and Black
4	Green	14	Green and Black
5	Yellow	15	Yellow and Black
6	Orange	16	Orange and Black
7	Brown	17	Brown and Black
8	White	18	White and Black
9	Purple	19	Purple and Black
10	Grey	20	Grey and Black

Cross-Sectional Area Over 0.5mm²

No.	Color
1	A Yellow-Green Wire + Black With Digital Code

Technical Parameters

Movement Lifespan	Over 5 Million Times
Rated Voltage	300V
Test Voltage	1.5KV
Bending Radius	7.5×OD
Operating Temperature	-20 ~ +80°C
Standards	CE
Flammability Rating	VW-1



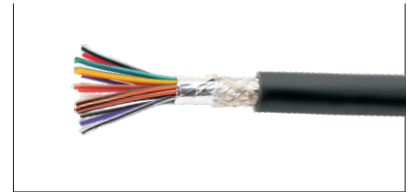
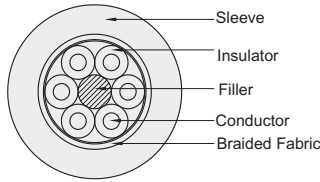
Please order as shown

Part Number	Cross-Sectional Area(mm²)	Length(m)
Code	Number of Cores	
ZLK21	2	100
	3	(Sell by Roll 100m/Roll)

ZLK21-2-0.2-100

Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZLK22	Signal Cable	with Shield	PVC	PVC	Slight Oil Resistant	Black

Application:
Flexible data cables for the transmission of analog and digital signals in equipment with a control processor, or as a connection between an instrument and a control equipment.



Sell by	Length Per Roll
Roll	100m/Roll

Conductor: multiple pieces of 0.1 tinned annealed copper wire twisted structure



The first perspective

Part Number		Cross-Sectional Area	Length	Number of Cores×Cross	20°C Conductor	Cable Outer Diameter
Code	Number of Cores	(mm²)	(m)	-Sectional Area(mm²)	DC Resistance	(mm)
ZLK22	2	0.2	(100 Sell by Roll 100m/Roll)	2×0.20	95	4.4
	3			3×0.20		4.6
	4			4×0.20		4.9
	5			5×0.20		5.2
	6			6×0.20		5.6
	8			8×0.20		6.5
	10			10×0.20		7.4
	12			12×0.20		7.0
	16	16×0.20		7.8		
	20	20×0.20		8.5		
	2	2×0.30		4.6		
	3	3×0.30		4.8		
	4	4×0.30		5.2		
	5	5×0.30		5.5		
	6	6×0.30		5.8		
	8	8×0.30		6.8		
	10	10×0.30		7.8		
	12	12×0.30		7.4		
	16	16×0.30		8.2		
	20	20×0.30		9.0		

Core Wire Color Identification

No.	Color	No.	Color
1	Red	11	Red and White
2	Black	12	Black and White
3	Blue	13	Blue and Black
4	Green	14	Green and Black
5	Yellow	15	Yellow and Black
6	Orange	16	Orange and Black
7	Brown	17	Brown and Black
8	White	18	White and Black
9	Purple	19	Purple and Black
10	Grey	20	Grey and Black

Technical Parameters

Movement Lifespan	Over 5 Million Times
Rated Voltage	300V
Test Voltage	1.5KV
Bending Radius	7.5×OD
Operating Temperature	-20 ~ + 80°C
Standards	CE
Flammability Rating	VW-1



Please order as shown

Part Number	Cross-Sectional Area (mm²)	Length (m)
Code	Number of Cores	
ZLK22	2	100
	3	0.2
(Sell by Roll 100m/Roll)		

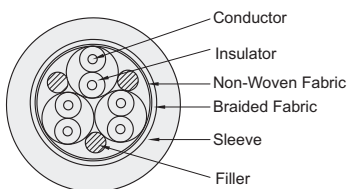
ZLK22-2-0.2-100

Flexible Drag Chain Cables

Double-Twisted Shielded Signal Cable, 5 Million Times

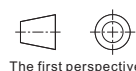
Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZLK23	Signal Cable	Double Twisted Shield	PVC	PVC	Slight Oil Resistant	Black

Application:
Flexible data cables for the transmission of analog and digital signals in equipment with a control processor, or as a connection between an instrument and a control equipment.



Sell by	Length Per Roll
Roll	100m/Roll

Conductor: multiple pieces of 0.1 tinned annealed copper wire twisted structure



Part Number		Cross-Sectional Area (mm ²)	Length (m)	Number of Cores×Cross -Sectional Area(mm ²)	20°C Conductor DC Resistance	Cable Outer Diameter (mm)
Code	Number of Cores					
ZLK23	1P(2)	0.14	100 (Sell by Roll 100m/Roll)	1P×0.14	150	3.9
	2P(4)			2P×0.14		5.5
	7P(14)			7P×0.14		7.8
	1P(2)	0.2		1P×0.2	95	4.2
	2P(4)			2P×0.2		6.0
	3P(6)			3P×0.2		6.4
	4P(8)	0.3		4P×0.2	71.2	7.0
	5P(10)			5P×0.2		7.5
	6P(12)			6P×0.2		8.2
	7P(14)	0.3		7P×0.2	71.2	8.5
	1P(2)			1P×0.3		4.6
	2P(4)			2P×0.3		6.2
	3P(6)			3P×0.3		6.6
	4P(8)			4P×0.3		7.5
	5P(10)			5P×0.3		7.8

Core Wire Color Identification

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

Technical Parameters

Movement Lifespan	Over 5 Million Times
Rated Voltage	300V
Test Voltage	1.5KV
Bending Radius	7.5×OD
Operating Temperature	-20 ~ +80°C
Standards	CE
Flammability Rating	VW-1



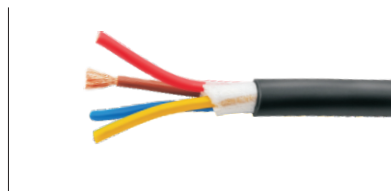
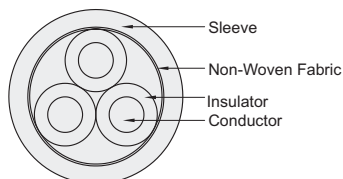
Please order as shown

Part Number		Cross-Sectional Area (mm ²)	Length (m)
Code	Number of Cores		
ZLK23	2P	0.14	100
	3P		(Sell by Roll 100m/Roll)

ZLK23 - 2P - 0.14 - 100

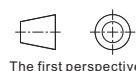
Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZLK24	Power Cable	Without Shield	PVC	PVC	Slight Oil Resistant	Black

Application:
Mainly used for control and power transmission system, widely used in sensing technology, computer and mechanical control equipment and control engineering;
There are yellow-green protective ground wires for three cores and above three cores.



Sell by	Length Per Roll
Roll	100m/Roll

Conductor: multiple pieces of 0.1 tinned annealed copper wire twisted structure



Part Number		Cross-Sectional Area (mm ²)	Length (m)	Number of Cores×Cross-Sectional Area(mm ²)	20°C Conductor DC Resistance	Cable Outer Diameter (mm)
Code	Number of Cores					
ZLK24	2	0.5	100 (Sell by Roll 100m/Roll)	2×0.5		5.8
		0.75		4G×0.5	39	6.8
	4	1		4G×0.75	26	7.2
		1.5		4G×1.0	19.5	7.8
		2.5		4G×1.5	13.3	8.9
				4G×2.5	7.98	10.8

Core Wire Color Identification

No.	Color
1	Blue
2	Brown
3	Yellow-Green
4	Red

Technical Parameters

Movement Lifespan	Over 5 Million Times
Rated Voltage	300V
Test Voltage	1.5KV
Bending Radius	7.5×OD
Operating Temperature	-20 ~ + 80°C
Standards	CE
Flammability Rating	VW-1



Part Number		Cross-Sectional Area(mm ²)	Length(m)
Code	Number of Cores		
ZLK24	2	0.5	100
	4		(Sell by Roll 100m/Roll)

ZLK24 - 2 - 0.5 - 100

10 Million Times High-Flexible Drag Chain Cable Test Standard

10 Million Times High-Flexible Drag Chain Cable

Ultra-high flexible PVC sleeve cables for drag chain systems, which are extremely resistant to oil and coolant, and can be used in humid environments, but not outdoors. The special construction and synthetic material of PVC give the cable a long working life.

Technical Data

Conductor stranding method: multiple pieces of ultra-fine copper core twisted according to VDE 0295(in category 6 column 5)

Insulation Resistance: Minimum 100M Ohm X Km

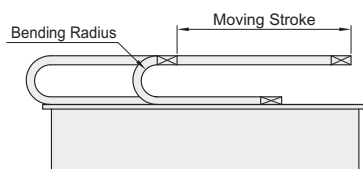
Temperature range: -20°C to +80°C

Bending radius: 6.0×cable diameter

Service life for drag chain system: more than 10 million cycles

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

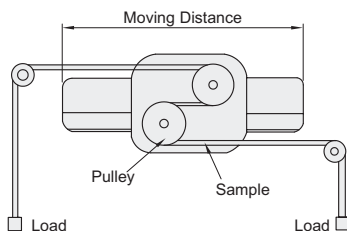
S =Moving Stroke of Drag Chain

D =Cable Diameter

The number of round trips exceeds 10000000 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 500000 times without short circuit.

The insulation sleeve is not cracked or damaged

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

CE



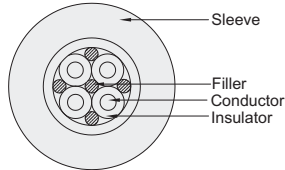
Feature:

- 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

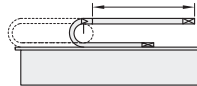


The first perspective

10 Million Drag Chain Cable Test Standards

Moving Bending Test Standard (Drag Chain Test)

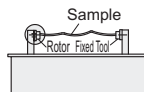
Simulate conditions of cable bending and movement in the drag chain for testing. Select finished product as sample and fix it on the drag chain test device according to the method shown in the figure below, bending radius $r=6D$; $S=900\text{mm}$; The test speed is 90 times/min.



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

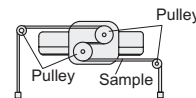
Take the sample from the finished product and fix it on the On the linear torsion sample device, the angle of the rotor is set to θ (0-180) according to the customer request at a rate of 30 times per minute degree for testing.



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 (mm²)						
ZIE30	20(0.5)	2	(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 (mm²)	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 (mm²)		
ZIE30	20(0.5)	2	100
ZIE30-20-2-100			

Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZIE25	Signal Cable	Without Shield	PVC	PVC	Slight Oil Resistant	Grey

CE



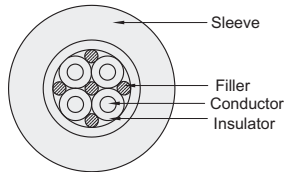
Feature:

- 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.

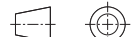


Sell by	Length Per Roll
Roll	100m/Roll

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

Stranded Construction: Stranded

Core wire identification: $\geq 0.5\text{mm}^2$, one yellow-green, the rest are black core wires with white numbers

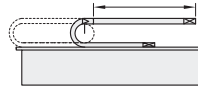


The first perspective

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

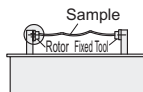
S =Moving Stroke of Drag Chain

D =Cable Diameter

The number of round trips exceeds 1000000 times without disconnection

Straight Torsion Test Method

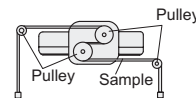
Take the sample from the finished product and fix it on the On the linear torsion sample device, the angle of the rotor is set to θ (0-180) according to the customer request at a rate of 30 times per minute degree for testing.



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)	Cable Outer Diameter (mm)	Reference Weight (kg/km)
Code	Conductor AWG (mm²)					
ZIE25	2	100 (Sell by Roll 100m/Roll)	41/0.08	1.1	3.8	27
	3				4	32
	4				4.3	39
	6				5.6	49
	8				6.4	62
	10				7	76
	12				6.2	79
	16				7.5	94
	2		60/0.08	1.2	4	31
	3				4.2	36
	4				4.5	44
	6				6	59
	8				6.8	73
	10				7.5	88
	12				6.6	94
	16				8	113
	20				8.8	132
	6		98/0.08	1.6	7.2	84
	8				8.2	105
	10				9.2	131
	12				8.2	138
	16				9.2	175

Core Identification

No.	Color	No.	Color
1	Red	11	Red and White
2	Black	12	Black and White
3	Blue	13	Blue and Black
4	Green	14	Green and Black
5	Yellow	15	Yellow and Black
6	Orange	16	Orange and Black
7	Brown	17	Brown and Black
8	White	18	White and Black
9	Purple	19	Purple and Black
10	Grey	20	Grey and Black

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



Please order as shown

Part Number	Number of Cores	Length (m)
Code	Conductor AWG (mm²)	
ZIE25	24 (0.2)	2
		3

ZIE25-24-2-100

Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZIE26	Signal Cable	with Shield	PVC	PVC	Slight Oil Resistant	Grey

CE

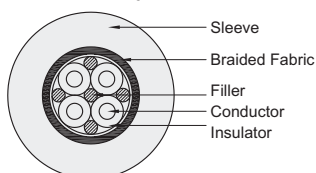
Feature:

- 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.

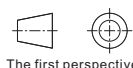
Application:

- 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: Stranded

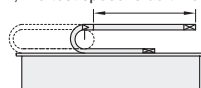


The first perspective

10 Million Drag Chain Cable Test Standards

Moving Bending Test Standard (Drag Chain Test)

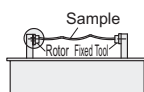
Simulate conditions of cable bending and movement in the drag chain for testing; Select finished product as sample and fix it on the drag chain test device according to the method shown in the figure below, bending radius $r=6D$; $S=900\text{mm}$; The test speed is 90 times/min.



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

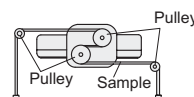
Take the sample from the finished product and fix it on the linear torsion sample device, the angle of the rotor is set to θ (0-180) according to the customer request at a rate of 30 times per minute degree for testing.



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

Moving Bend Test Standard

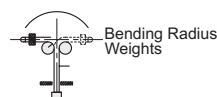
Take the sample from the finished product, and fix the moving pulley and the weight as shown in the figure below. The diameter of the pulley and the weight of the weight refer to the EN50396 standard. The speed of the moving pulley is 0.33m/s and the moving distance is more than 1.0m.



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)						
ZIE26	22 (0.3)	2	100 (Sell by Roll 100m/Roll)	60/0.08	1.2	4.5	41
		3				4.6	47
		4				5	55
		6				6.1	70
		8				7.2	89
		10				7.8	107
		12				7	111
		16				8.4	139

Core Identification

No.	Color	No.	Color
1	Red	9	Purple
2	Black	10	Grey
3	Blue	11	Red and White
4	Green	12	Black and White
5	Yellow	13	Blue and Black
6	Orange	14	Green and Black
7	Brown	15	Yellow and Black
8	White	16	Orange and Black

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



Please order as shown

Part Number		Number of Cores	Length (m)
Code	Conductor AWG (mm ²)		
ZIE26	22 (0.3)	2	100
		3	(Sell by Roll 100m/Roll)

ZIE26-22-2-100

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

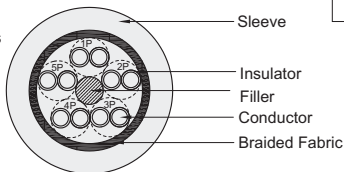
Feature:

- 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.

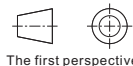
Application:

- 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

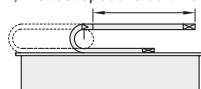
Conductor: multiple pieces of ultra-fine copper core twisted according to VDE 0295 standard
Stranded Construction: Twisted



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.

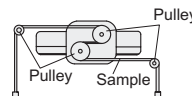


r =Bending Radius
 S =Moving Stroke of Drag Chain
 D =Cable Diameter

The number of round trips exceeds 10000000 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.

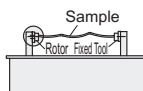


The number of round trips exceeds 50000 times without short circuit.

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 θ (0-180) according to the customer request at a rate of 30 times per minute degree for testing.

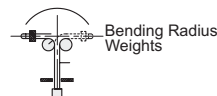


The number of round trips exceeds 50000 times without short circuit.

The insulation sleeve is not cracked or damaged

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
	22 (0.3)	1P		60/0.10	1.2	4.6	45
		2P				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	24 (0.2)	2P	100 (Sell by Roll 100m/Roll)
		3P	

ZIE27-24-2P-100

20 Million Times High Flexible Drag Chain Cable Test Standard

20 Million Times High-Flexible Drag Chain Cable

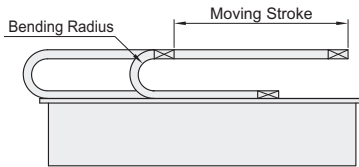
Ultra-high flexible PVC sleeve cables for drag chain systems, which are extremely resistant to oil and coolant, and can be used in humid environments, but not outdoors. The special construction and synthetic material of PVC give the cable a long working life.

Technical Data

Conductor stranding method: multiple pieces of ultra-fine copper core twisted according to VDE 0295(in category 6 column 5) , And the conductor is twisted multiple times to increase its torsion resistance.
Insulation Resistance: Minimum 100M Ohm X Km
Filling cotton textiles and covering fiber fabrics to increase tensile and bending resistance
Temperature range: -20°C to +80°C
Bending radius: 6.0×cable diameter
Service life for drag chain system: more than 20 million cycles

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.

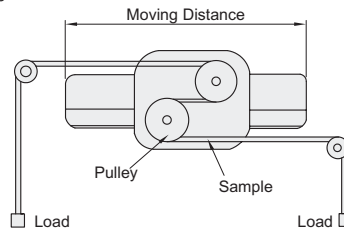


r =Bending Radius
 S =Moving Stroke of Drag Chain
 D =Cable Diameter

The number of round trips exceeds 20000000 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.



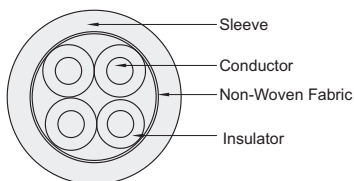
The number of round trips exceeds 1000000 times without short circuit.
The insulation sleeve is not cracked or damaged

High Flexible Drag Chain Cables

Without Shielding

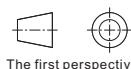
Power Cable, 20 Million Times

Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZLH45	Power Cable	Without Shield	PVC	PVC	Slight Oil Resistant	Grey



Conductor: multiple pieces of 0.08 tinned annealed copper wire twisted structure

Sell by	Length Per Roll
Roll	100m/Roll



The first perspective

Part Number		Cross-Sectional Area (mm ²)	Length (m)	Number of Cores × Cross-Sectional Area (mm ²)	Cable Outer Diameter (mm)
Code	Number of Cores				
ZLH45	2			2 × 0.50	5.2
	4			4G × 0.50	5.8
	5			5G × 0.50	6.3
	7	0.5	100	7G × 0.50	7.3
	12		(Sell by Roll 100m/Roll)	12G × 0.50	10.7
	18			18G × 0.50	12.8
	25			25G × 0.50	14.2
	4	0.75		4G × 0.75	6.5
	7			7G × 0.75	8.3

Core Wire Color Identification

No.	Color
1~2	Printed in black No.1~2
3~25	Yellow-green ground line+printed in black No.1~ (N-1)

Technical Parameters

Movement Lifespan	Over 20 Million Times
Rated Voltage	300V
Test Voltage	1.5KV
Bending Radius	6 × OD
Operating Temperature	-20 ~ + 80°C
Standards	CE
Flammability Rating	VW-1



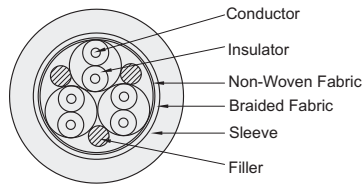
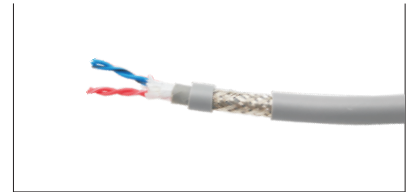
Part Number	Cross-Sectional Area (mm ²)	Length (m)
Code	Number of Cores	
ZLH45	2	100
	3	0.5
(Sell by Roll 100m/Roll)		

ZLH45-2-0.5-100

Double Twisted Shielded ▶ Signal Cable, 20 Million Times

High Flexible Drag Chain Cables

Code	Type	Shield	Insulator	Sleeve	Oil Resistant	Color
ZLH47	Signal Cable	Double Twisted Shielded	PVC	PVC	Slight Oil Resistant	Grey



Conductor: multiple pieces of 0.08 tinned annealed copper wire twisted structure

Sell by	Length Per Roll
Roll	100m/Roll



Part Number		Cross-Sectional Area (mm ²)	Length (m)	Number of Cores×Cross-Sectional Area(mm ²)	Cable Outer Diameter (mm)
Code	Number of Cores				
ZLH47	2P(4)	0.2	100 (Sell by Roll 100m/Roll)	2P×0.20	7.0
	2P(4)			2P×0.30	7.5
	3P(6)	0.3		3P×0.30	7.5
	4P(8)			4P×0.30	8.0

Core Wire Color Identification

No.	Color	
1P	Red	Red and White
2P	Blue	Blue and Black
3P	Black	Black and White
4P	Green	Green and Black

Technical Parameters

Movement Lifespan	Over 20 Million Times
Rated Voltage	300V
Test Voltage	1.5KV
Bending Radius	6×OD
Operating Temperature	-20 ~ + 80℃
Standards	CE
Flammability Rating	VW-1



Part Number		Cross-Sectional Area(mm ²)	Length(m)
Code	Number of Cores		
ZLH47	2P	0.2	100
		0.3	(Sell by Roll 100m/Roll)

ZLH47 - 2P - 0.2 - 100