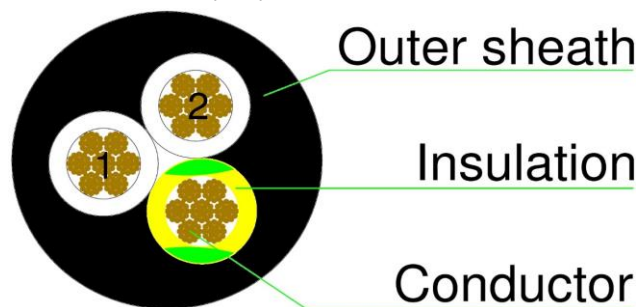




Specification
CONTROL CABLE: 3G x 0.5 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction**Color**

No. of Cores	3
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	0.5
Approx. Conductor Dia.(mm)	0.92
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	1.8
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	0.7
Min. Thickness(mm)	0.50
Approx. Dia. of cable(mm)	5.5
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	48.0

Insulation	White with black numbering(1~2) + Green/yellow
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Outer sheath	Black
--------------	-------

Performance**Electrical characteristics**

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	39.0
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	55
b)for fixed installation	22
2. Max. pulling tension for conductor(kN)	0.105
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	560 x 425 x 560
3. Gross weight per drum(kg)	53

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Fax	(65) 6365 2963
Email	sales@keystone-cable.com
Website	www.keystone-cable.com

Customer Approved by**Spec.No**

S-160513-01A-Switches

Prepared by

Song Kun Hua

Checked by

Lulu

Approved by

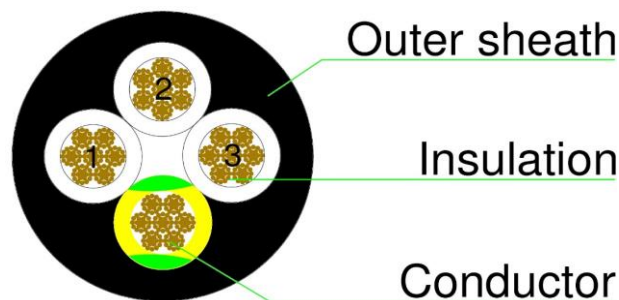
Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification
CONTROL CABLE: 4G x 0.5 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction**Color**

No. of Cores	4
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	0.5
Approx. Conductor Dia.(mm)	0.92
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	1.8
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	0.7
Min. Thickness(mm)	0.50
Approx. Dia. of cable(mm)	6.0
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	56.0

Insulation	White with black numbering(1~3) + Green/yellow
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Outer sheath	Black
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Performance**Electrical characteristics**

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	39.0
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	60
b)for fixed installation	24
2. Max. pulling tension for conductor(kN)	0.140
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	2000
2. Drum size(mm)	710 x 560 x 710
3. Gross weight per drum(kg)	53

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

Address	27 Senoko Way Singapore 758060
Tel	(65) 6367 0107
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Email	sales@keystone-cable.com
Website	www.keystone-cable.com

Customer Approved by**Spec.No**

S-160513-02A-Switches

Prepared by

Song Kun Hua

Checked by

Lulu

Approved by

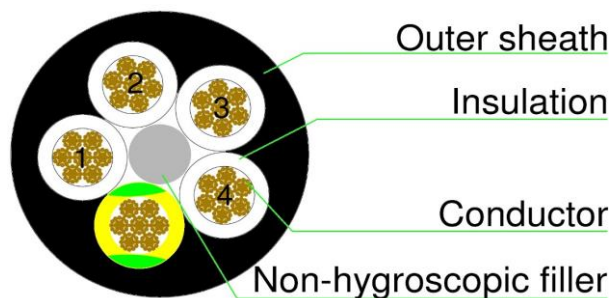
Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification
CONTROL CABLE: 5G x 0.5 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction		Color	
No. of Cores	5	Insulation	White with black numbering(1~4) + Green/yellow
Conductor		Outer sheath	Black
Material	Plain annealed copper wire	Performance	
Class of Conductor	Class 5	Electrical characteristics	
Conductor type	Stranded circular conductor	1. Max. Conductor D.C. resistance at 20°C(Ω/km)	39.0
Cross-Sectional Area(mm ²)	0.5	2. Min. Insulation Resistance at 20°C(MΩ•km)	10
Approx. Conductor Dia.(mm)	0.92	3. Spark test A.C. voltage value(kV)	4
Insulation		4. A.C. high voltage test for 5min(kV)	4
Material	PVC	Physical characteristics	
Nom. Thickness(mm)	0.4	1. Min. bending radius(mm)	
Approx. Dia. over insulation(mm)	1.8	a)for occasional flexing	65
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound	b)for fixed installation	26
Outer sheath		2. Max. pulling tension for conductor(kN)	0.175
Material	PVC	3. Construction test	BS EN 50525-2-51
Nom. Thickness(mm)	0.7	4. Flame retardant test	IEC 60332-1-2
Min. Thickness(mm)	0.50	Packing information	
Approx. Dia. of cable(mm)	6.5	1. Max. cable length per drum(m)	1500
O.D. tolerance(%)	± 8	2. Drum size(mm)	600 x 470 x 600
Approx. weight of cable(kg/km)	66.0	3. Gross weight per drum(kg)	125
		Cable Marking on the outer sheath	
		Type of printing	Ink jet printing
		Length marking	Yes
Contact Information		Customer Approved by	
Address	27 Senoko Way Singapore 758060		
Tel	(65) 6367 0107		
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Website	www.keystone-cable.com		
Spec.No		Prepared by	Checked by
S-160513-03A-Switches		Song Kun Hua	Lulu
		Approved by	
		Patrick Li	

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



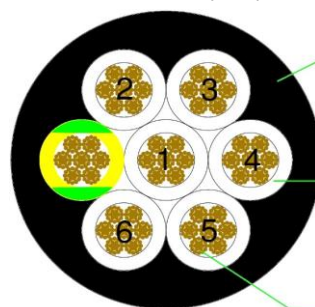
Specification
CONTROL CABLE: 7G x 0.5 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Outer sheath

Insulation

Conductor



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

Color

No. of Cores	7
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	0.5
Approx. Conductor Dia.(mm)	0.92
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	1.8
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound

Insulation	White with black numbering(1~6) + Green/yellow
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Outer sheath	Black
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Performance

Electrical characteristics	
1. Max. Conductor D.C. resistance at 20°C(Ω/km)	39.0
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4
Physical characteristics	
1. Min. bending radius(mm)	
a)for occasional flexing	74
b)for fixed installation	30
2. Max. pulling tension for conductor(kN)	0.245
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	2000
2. Drum size(mm)	700 x 570 x 700
3. Gross weight per drum(kg)	185

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Customer Approved by

Spec.No

S-160513-04A-Switches

Prepared by

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Approved by

Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



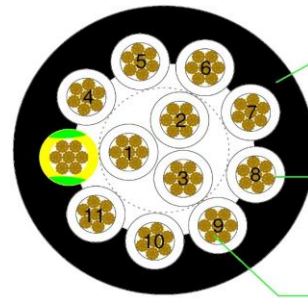
Specification

CONTROL CABLE: 12G x 0.5 mm²
CU/PVC/PVC Flexible Cable

Outer sheath

Insulation

Conductor



Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

No. of Cores	12
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	0.5
Approx. Conductor Dia.(mm)	0.92
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	1.8
Cable assembly	
	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	0.9
Min. Thickness(mm)	0.67
Approx. Dia. of cable(mm)	9.6
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	140.0

Color

Insulation White with black numbering(1~11) + Green/yellow

Outer sheath Black

Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	39.0
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	96
b)for fixed installation	38
2. Max. pulling tension for conductor(kN)	0.420
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1500
2. Drum size(mm)	900 x 600 x 900
3. Gross weight per drum(kg)	230

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Spec.No

S-160513-05A-Switches

Prepared by

Song Kun Hua

Checked by

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Approved by

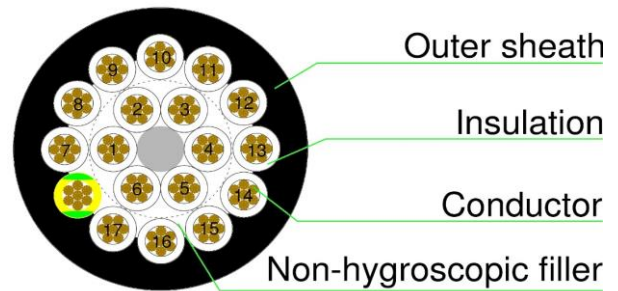
Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification

CONTROL CABLE: 18G x 0.5 mm²
CU/PVC/PVC Flexible Cable



Outer sheath

Insulation

Conductor

Non-hygroscopic filler

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

No. of Cores	18
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	0.5
Approx. Conductor Dia.(mm)	0.92
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	1.8
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	1.0
Min. Thickness(mm)	0.75
Approx. Dia. of cable(mm)	11.5
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	200.0

Color

Insulation White with black numbering(1~17) + Green/yellow

Outer sheath Black

Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	39.0
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	115
a)for occasional flexing	46
b)for fixed installation	0.630
2. Max. pulling tension for conductor(kN)	BS EN 50525-2-51
3. Construction test	IEC 60332-1-2
4. Flame retardant test	

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	800 x 570 x 800
3. Gross weight per drum(kg)	220

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Customer Approved by

Spec.No

S-160513-06A-Switches

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NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



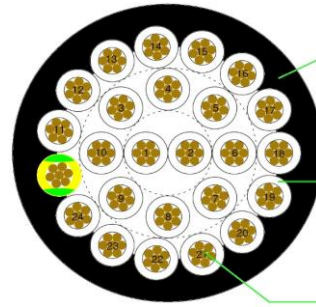
Specification

CONTROL CABLE: 25G x 0.5 mm²
CU/PVC/PVC Flexible Cable

Outer sheath

Insulation

Conductor



Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

No. of Cores	25
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	0.5
Approx. Conductor Dia.(mm)	0.92
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	1.8
Cable assembly	
	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	1.2
Min. Thickness(mm)	0.92
Approx. Dia. of cable(mm)	13.7
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	286.0

Color

Insulation White with black numbering(1~24) + Green/yellow

Outer sheath Black

Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	39.0
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	137
b)for fixed installation	55
2. Max. pulling tension for conductor(kN)	0.875
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	900 x 620 x 900
3. Gross weight per drum(kg)	310

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Spec.No

S-160513-07A-Switches

Prepared by

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Patrick Li

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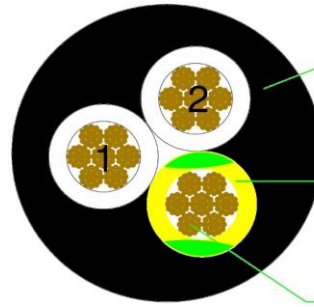
Specification

CONTROL CABLE: 3G x 0.75 mm²
CU/PVC/PVC Flexible Cable

Outer sheath

Insulation

Conductor



Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

No. of Cores	3
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	0.75
Approx. Conductor Dia.(mm)	1.13
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.0
Cable assembly	
	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	0.7
Min. Thickness(mm)	0.50
Approx. Dia. of cable(mm)	6.0
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	60.0

Color

Insulation	White with black numbering(1~2) + Green/yellow
------------	--

Outer sheath	Black
--------------	-------

Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	26.0
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	60
b)for fixed installation	24
2. Max. pulling tension for conductor(kN)	0.158
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	2000
2. Drum size(mm)	710 x 560 x 710
3. Gross weight per drum(kg)	135

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

Address	27 Senoko Way Singapore 758060
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Spec.No

S-160513-08A-Switches

Customer Approved by

Prepared by

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Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



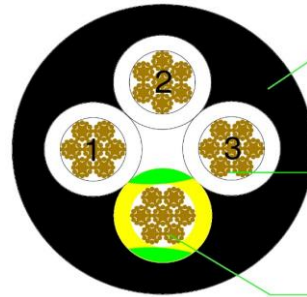
Specification

CONTROL CABLE: 4G x 0.75 mm²
CU/PVC/PVC Flexible Cable

Outer sheath

Insulation

Conductor



Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

No. of Cores	4
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	0.75
Approx. Conductor Dia.(mm)	1.13
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.0
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	0.7
Min. Thickness(mm)	0.50
Approx. Dia. of cable(mm)	6.8
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	74.0

Color

Insulation	White with black numbering(1~3) + Green/yellow
------------	--

Outer sheath	Black
--------------	-------

Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	26.0
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	68
b)for fixed installation	27
2. Max. pulling tension for conductor(kN)	0.210
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1500
2. Drum size(mm)	710 x 560 x 710
3. Gross weight per drum(kg)	124

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

Address	27 Senoko Way Singapore 758060
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Customer Approved by

Spec.No

S-160513-09A-Switches

Prepared by

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Approved by

Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.

**Specification**

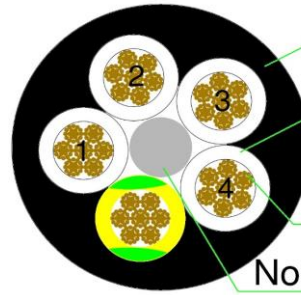
CONTROL CABLE: 5G x 0.75 mm²
CU/PVC/PVC Flexible Cable

Outer sheath

Insulation

Conductor

Non-hygroscopic filler



Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

No. of Cores	5
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	0.75
Approx. Conductor Dia.(mm)	1.13
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.0
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	0.8
Min. Thickness(mm)	0.58
Approx. Dia. of cable(mm)	7.4
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	88.0

Color

Insulation	White with black numbering(1~4) + Green/yellow
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Outer sheath	Black
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Performance**Electrical characteristics**

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	26.0
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	74
b)for fixed installation	30
2. Max. pulling tension for conductor(kN)	0.263
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	2000
2. Drum size(mm)	700 x 570 x 700
3. Gross weight per drum(kg)	190

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Customer Approved by**Spec.No**

S-160513-10A-Switches

Prepared by

Song Kun Hua

Checked by

Lulu

Approved by

Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



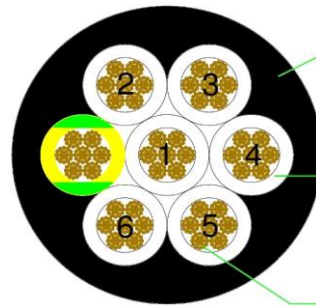
Specification

CONTROL CABLE: 7G x 0.75 mm²
CU/PVC/PVC Flexible Cable

Outer sheath

Insulation

Conductor



Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

No. of Cores	7
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	0.75
Approx. Conductor Dia.(mm)	1.13
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.0
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	0.8
Min. Thickness(mm)	0.58
Approx. Dia. of cable(mm)	8.0
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	112.0

Color

Insulation White with black numbering(1~6) + Green/yellow

Outer sheath Black

Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	26.0
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	80
b)for fixed installation	32
2. Max. pulling tension for conductor(kN)	0.368
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	710 x 560 x 710
3. Gross weight per drum(kg)	125

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Spec.No

S-160513-11A-Switches

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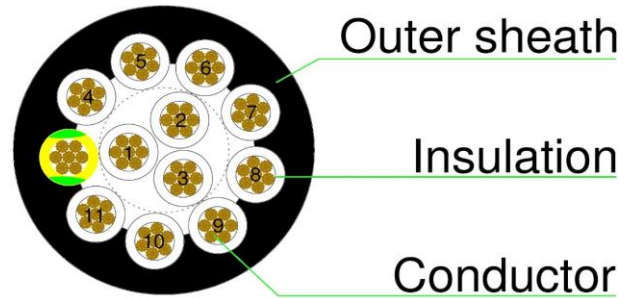
NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification
CONTROL CABLE: 12G x 0.75 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

**Cable Construction****Color**

No. of Cores	12
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	0.75
Approx. Conductor Dia.(mm)	1.13
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.0
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	1.0
Min. Thickness(mm)	0.75
Approx. Dia. of cable(mm)	10.8
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	188.0

Insulation	White with black numbering(1~11) + Green/yellow
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Outer sheath	Black
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Performance

Electrical characteristics	
1. Max. Conductor D.C. resistance at 20°C(Ω/km)	26.0
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4
Physical characteristics	
1. Min. bending radius(mm)	108
a)for occasional flexing	43
b)for fixed installation	0.630
2. Max. pulling tension for conductor(kN)	BS EN 50525-2-51
3. Construction test	IEC 60332-1-2
4. Flame retardant test	

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	900 x 600 x 900
3. Gross weight per drum(kg)	208

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information**Customer Approved by**

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Spec.No

S-160513-12A-Switches

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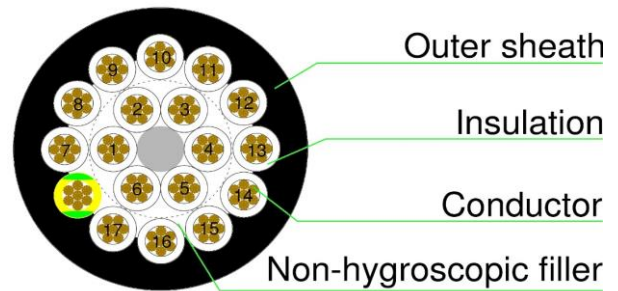
NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification
CONTROL CABLE: 18G x 0.75 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2



Cable Construction

Color

No. of Cores	18
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	0.75
Approx. Conductor Dia.(mm)	1.13
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.0
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	1.1
Min. Thickness(mm)	0.84
Approx. Dia. of cable(mm)	12.7
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	270.0

Insulation	White with black numbering(1~17) + Green/yellow
------------	---

Outer sheath	Black
--------------	-------

Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	26.0
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	127
a)for occasional flexing	51
b)for fixed installation	0.945
2. Max. pulling tension for conductor(kN)	BS EN 50525-2-51
3. Construction test	IEC 60332-1-2
4. Flame retardant test	

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	900 x 620 x 900
3. Gross weight per drum(kg)	295

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Spec.No

S-160513-13A-Switches

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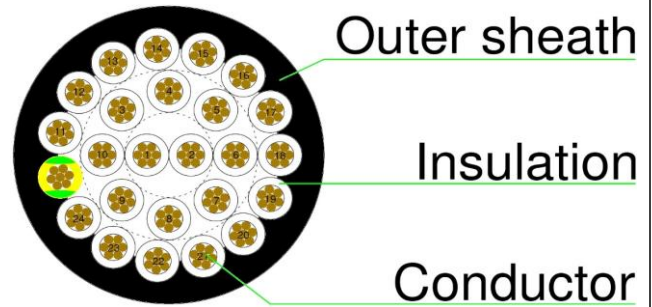
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Specification
CONTROL CABLE: 25G x 0.75 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2



Cable Construction

Color

No. of Cores	25
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	0.75
Approx. Conductor Dia.(mm)	1.13
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.0
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	1.3
Min. Thickness(mm)	1.01
Approx. Dia. of cable(mm)	15.2
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	380.0

Insulation	White with black numbering(1~24) + Green/yellow
Outer sheath	Black

Performance

Electrical characteristics	
1. Max. Conductor D.C. resistance at 20°C(Ω/km)	26.0
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	152
b)for fixed installation	61
2. Max. pulling tension for conductor(kN)	1.313
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	1000 x 710 x 1000
3. Gross weight per drum(kg)	405

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Spec.No

S-160513-14A-Switches

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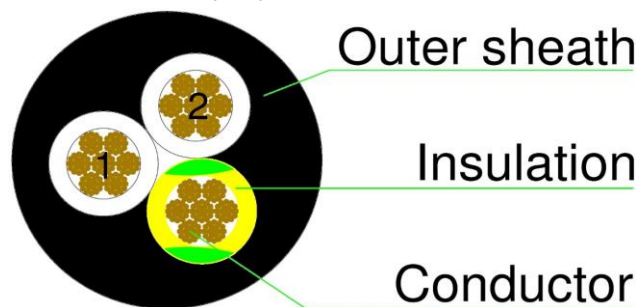
Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification
CONTROL CABLE: 3G x 1 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

Color

No. of Cores	3
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	1
Approx. Conductor Dia.(mm)	1.3
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.2
Cable assembly	
	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	0.7
Min. Thickness(mm)	0.50
Approx. Dia. of cable(mm)	6.4
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	69.0

Insulation	White with black numbering(1~2) + Green/yellow
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Outer sheath	Black
--------------	-------

Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	19.5
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	64
b)for fixed installation	26
2. Max. pulling tension for conductor(kN)	0.210
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	2000
2. Drum size(mm)	650 x 480 x 650
3. Gross weight per drum(kg)	88

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Spec.No

S-160513-15A-Switches

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NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



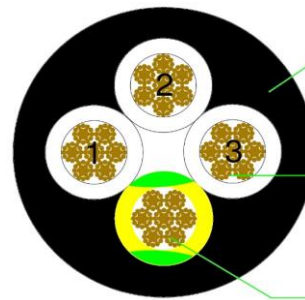
Specification
CONTROL CABLE: 4G x 1 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Outer sheath

Insulation

Conductor



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

Color

No. of Cores	4
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	1
Approx. Conductor Dia.(mm)	1.3
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.2
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound

Insulation	White with black numbering(1~3) + Green/yellow
Outer sheath	Black

Performance

Electrical characteristics	
1. Max. Conductor D.C. resistance at 20°C(Ω/km)	19.5
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	73
b)for fixed installation	29
2. Max. pulling tension for conductor(kN)	0.280
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1500
2. Drum size(mm)	650 x 480 x 650
3. Gross weight per drum(kg)	150

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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S-160513-16A-Switches

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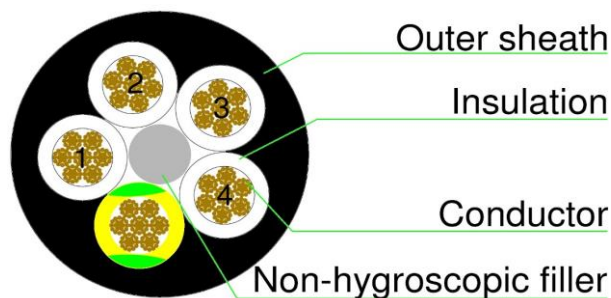
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NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification
CONTROL CABLE: 5G x 1 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

Color

No. of Cores	5
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	1
Approx. Conductor Dia.(mm)	1.3
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.2
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	0.8
Min. Thickness(mm)	0.58
Approx. Dia. of cable(mm)	7.8
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	104.0

Insulation	White with black numbering(1~4) + Green/yellow
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Outer sheath	Black
--------------	-------

Performance

Electrical characteristics	
1. Max. Conductor D.C. resistance at 20°C(Ω/km)	19.5
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4
Physical characteristics	
1. Min. bending radius(mm)	
a)for occasional flexing	78
b)for fixed installation	31
2. Max. pulling tension for conductor(kN)	0.350
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	2000
2. Drum size(mm)	800 x 600 x 800
3. Gross weight per drum(kg)	227

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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S-160513-17A-Switches

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NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



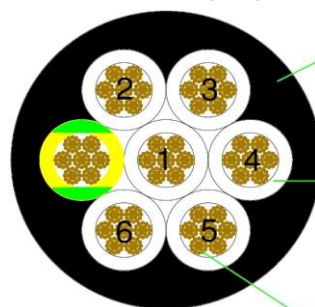
Specification
CONTROL CABLE: 7G x 1 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Outer sheath

Insulation

Conductor



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

Color

No. of Cores	7
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	1
Approx. Conductor Dia.(mm)	1.3
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.2
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	0.9
Min. Thickness(mm)	0.67
Approx. Dia. of cable(mm)	8.7
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	137.0

Insulation	White with black numbering(1~6) + Green/yellow
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Outer sheath	Black
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Performance

Electrical characteristics	
1. Max. Conductor D.C. resistance at 20°C(Ω/km)	19.5
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	87
b)for fixed installation	35
2. Max. pulling tension for conductor(kN)	0.490
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1500
2. Drum size(mm)	800 x 600 x 800
3. Gross weight per drum(kg)	225

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Spec.No

S-160513-18A-Switches

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Approved by

Patrick Li

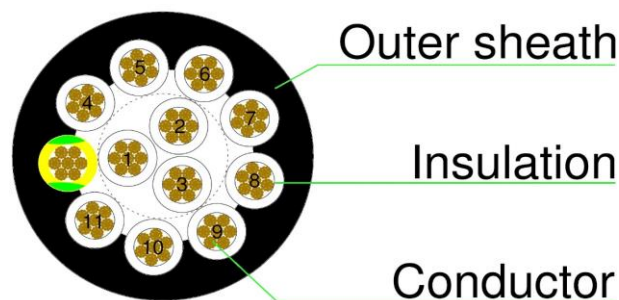
NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification
CONTROL CABLE: 12G x 1 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2



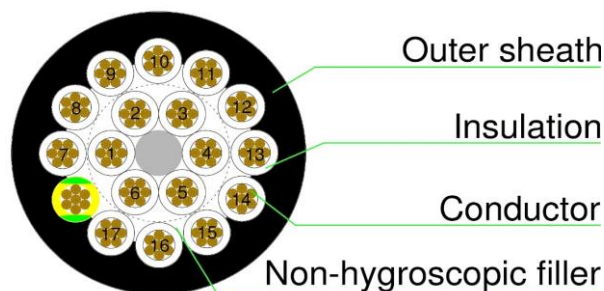
Cable Construction		Color	
No. of Cores	12	Insulation	White with black numbering(1~11) + Green/yellow
Conductor		Outer sheath	Black
Material	Plain annealed copper wire	Performance	
Class of Conductor	Class 5	Electrical characteristics	
Conductor type	Stranded circular conductor	1. Max. Conductor D.C. resistance at 20°C(Ω/km)	19.5
Cross-Sectional Area(mm ²)	1	2. Min. Insulation Resistance at 20°C(MΩ•km)	10
Approx. Conductor Dia.(mm)	1.3	3. Spark test A.C. voltage value(kV)	4
Insulation		4. A.C. high voltage test for 5min(kV)	4
Material	PVC	Physical characteristics	
Nom. Thickness(mm)	0.4	1. Min. bending radius(mm)	
Approx. Dia. over insulation(mm)	2.2	a)for occasional flexing	116
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound	b)for fixed installation	46
Outer sheath		2. Max. pulling tension for conductor(kN)	0.840
Material	PVC	3. Construction test	BS EN 50525-2-51
Nom. Thickness(mm)	1.0	4. Flame retardant test	IEC 60332-1-2
Min. Thickness(mm)	0.75	Packing information	
Approx. Dia. of cable(mm)	11.6	1. Max. cable length per drum(m)	1000
O.D. tolerance(%)	± 8	2. Drum size(mm)	900 x 600 x 900
Approx. weight of cable(kg/km)	225.0	3. Gross weight per drum(kg)	245
		Cable Marking on the outer sheath	
		Type of printing	Ink jet printing
		Length marking	Yes
Contact Information		Customer Approved by	
Address	27 Senoko Way Singapore 758060		
Tel	(65) 6367 0107		
Fax	(65) 6365 2963		
Email	sales@keystone-cable.com		
Website	www.keystone-cable.com		
Spec.No		Prepared by	Checked by
S-160513-19A-Switches		Song Kun Hua	Lulu
		Approved by	
			Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification
CONTROL CABLE: 18G x 1 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction**Color**

No. of Cores	18
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	1
Approx. Conductor Dia.(mm)	1.3
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.2
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound

Insulation	White with black numbering(1~17) + Green/yellow
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Outer sheath	
Material	PVC
Nom. Thickness(mm)	1.2
Min. Thickness(mm)	0.92
Approx. Dia. of cable(mm)	13.9
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	326.0

Outer sheath	Black
--------------	-------

Performance

Electrical characteristics	
1. Max. Conductor D.C. resistance at 20°C(Ω/km)	19.5
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	139
b)for fixed installation	56
2. Max. pulling tension for conductor(kN)	1.260
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	1000 x 710 x 1000
3. Gross weight per drum(kg)	360

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

Address	27 Senoko Way Singapore 758060
Tel	(65) 6367 0107
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Email	sales@keystone-cable.com
Website	www.keystone-cable.com

Customer Approved by**Spec.No**

S-160513-20A-Switches

Prepared by

Song Kun Hua

Checked by

Lulu

Approved by

Patrick Li

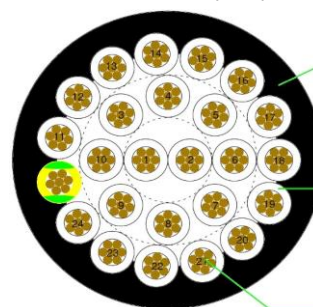
NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification
CONTROL CABLE: 25G x 1 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2



Outer sheath

Insulation

Conductor

Cable Construction**Color**

No. of Cores	25
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	1
Approx. Conductor Dia.(mm)	1.3
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.2
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	1.3
Min. Thickness(mm)	1.01
Approx. Dia. of cable(mm)	16.4
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	450.0

Insulation	White with black numbering(1~24) + Green/yellow
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Outer sheath	Black
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Performance**Electrical characteristics**

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	19.5
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	164
b)for fixed installation	66
2. Max. pulling tension for conductor(kN)	1.750
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	1120 x 800 x 1120
3. Gross weight per drum(kg)	475

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

Address	27 Senoko Way Singapore 758060
Tel	(65) 6367 0107
Fax	(65) 6365 2963
Email	sales@keystone-cable.com
Website	www.keystone-cable.com

Customer Approved by**Spec.No**

S-160513-21A-Switches

Prepared by

Song Kun Hua

Checked by

Lulu

Approved by

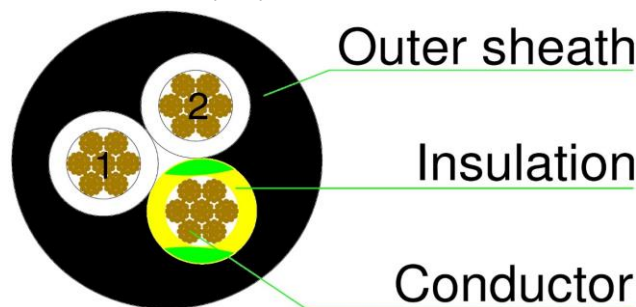
Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification
CONTROL CABLE: 3G x 1.5 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

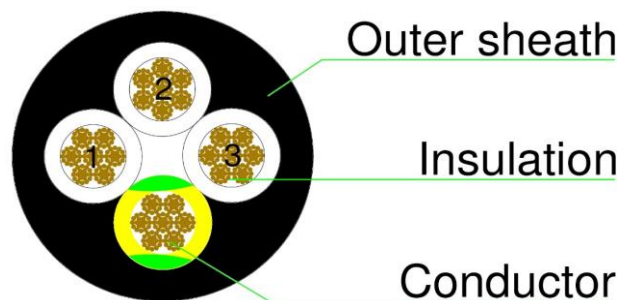
Cable Construction		Color	
No. of Cores	3	Insulation	White with black numbering(1~2) + Green/yellow
Conductor		Outer sheath	Black
Material	Plain annealed copper wire	Performance	
Class of Conductor	Class 5	Electrical characteristics	
Conductor type	Stranded circular conductor	1. Max. Conductor D.C. resistance at 20°C(Ω/km)	13.3
Cross-Sectional Area(mm ²)	1.5	2. Min. Insulation Resistance at 20°C(MΩ•km)	10
Approx. Conductor Dia.(mm)	1.57	3. Spark test A.C. voltage value(kV)	4
Insulation		4. A.C. high voltage test for 5min(kV)	4
Material	PVC	Physical characteristics	
Nom. Thickness(mm)	0.4	1. Min. bending radius(mm)	
Approx. Dia. over insulation(mm)	2.4	a)for occasional flexing	73
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound	b)for fixed installation	29
Outer sheath		2. Max. pulling tension for conductor(kN)	0.315
Material	PVC	3. Construction test	BS EN 50525-2-51
Nom. Thickness(mm)	0.8	4. Flame retardant test	IEC 60332-1-2
Min. Thickness(mm)	0.58	Packing information	
Approx. Dia. of cable(mm)	7.3	1. Max. cable length per drum(m)	1500
O.D. tolerance(%)	± 8	2. Drum size(mm)	650 x 480 x 650
Approx. weight of cable(kg/km)	94.0	3. Gross weight per drum(kg)	163
Contact Information		Cable Marking on the outer sheath	
		Type of printing	Ink jet printing
Address 27 Senoko Way Singapore 758060		Length marking	Yes
		Customer Approved by	
Tel	(65) 6367 0107		
Fax	(65) 6365 2963		
Email	sales@keystone-cable.com		
Website	www.keystone-cable.com	Prepared by	
Spec.No S-160513-22A-Switches		Checked by	
		Approved by	
		Song Kun Hua Lulu Patrick Li	

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification
CONTROL CABLE: 4G x 1.5 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

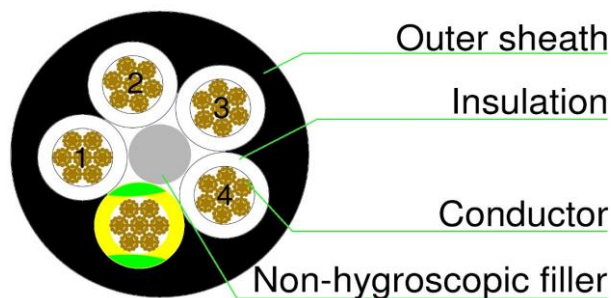
Cable Construction		Color	
No. of Cores	4	Insulation	White with black numbering(1~3) + Green/yellow
Conductor		Outer sheath	Black
Material	Plain annealed copper wire	Performance	
Class of Conductor	Class 5	Electrical characteristics	
Conductor type	Stranded circular conductor	1. Max. Conductor D.C. resistance at 20°C(Ω/km)	13.3
Cross-Sectional Area(mm ²)	1.5	2. Min. Insulation Resistance at 20°C(MΩ•km)	10
Approx. Conductor Dia.(mm)	1.57	3. Spark test A.C. voltage value(kV)	4
Insulation		4. A.C. high voltage test for 5min(kV)	4
Material	PVC	Physical characteristics	
Nom. Thickness(mm)	0.4	1. Min. bending radius(mm)	
Approx. Dia. over insulation(mm)	2.4	a)for occasional flexing	79
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound	b)for fixed installation	32
Outer sheath		2. Max. pulling tension for conductor(kN)	0.420
Material	PVC	3. Construction test	BS EN 50525-2-51
Nom. Thickness(mm)	0.8	4. Flame retardant test	IEC 60332-1-2
Min. Thickness(mm)	0.58	Packing information	
Approx. Dia. of cable(mm)	7.9	1. Max. cable length per drum(m)	2000
O.D. tolerance(%)	± 8	2. Drum size(mm)	800 x 600 x 800
Approx. weight of cable(kg/km)	114.0	3. Gross weight per drum(kg)	247
		Cable Marking on the outer sheath	
		Type of printing	Ink jet printing
		Length marking	Yes
Contact Information		Customer Approved by	
Address	27 Senoko Way Singapore 758060		
Tel	(65) 6367 0107		
Fax	(65) 6365 2963		
Email	sales@keystone-cable.com		
Website	www.keystone-cable.com		
Spec.No		Prepared by	Checked by
S-160513-23A-Switches		Song Kun Hua	Lulu
		Approved by	
			Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification
CONTROL CABLE: 5G x 1.5 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction**Color**

No. of Cores	5
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	1.5
Approx. Conductor Dia.(mm)	1.57
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.4
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	0.9
Min. Thickness(mm)	0.67
Approx. Dia. of cable(mm)	8.9
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	140.0

Insulation	White with black numbering(1~4) + Green/yellow
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Outer sheath	Black
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Performance

Electrical characteristics	
1. Max. Conductor D.C. resistance at 20°C(Ω/km)	13.3
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	89
b)for fixed installation	36
2. Max. pulling tension for conductor(kN)	0.525
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1500
2. Drum size(mm)	800 x 600 x 800
3. Gross weight per drum(kg)	230

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

Address	27 Senoko Way Singapore 758060
Tel	(65) 6367 0107
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Website	www.keystone-cable.com

Customer Approved by**Spec.No**

S-160513-24A-Switches

Prepared by

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Approved by

Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



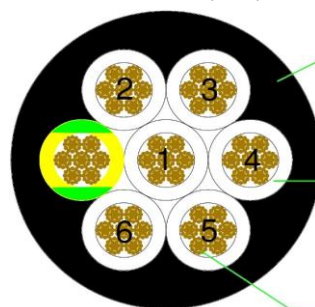
Specification
CONTROL CABLE: 7G x 1.5 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Outer sheath

Insulation

Conductor



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

Color

No. of Cores	7
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	1.5
Approx. Conductor Dia.(mm)	1.57
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.2
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound

Insulation	White with black numbering(1~6) + Green/yellow
------------	--

Outer sheath	Black
--------------	-------

Performance

Electrical characteristics	
1. Max. Conductor D.C. resistance at 20°C(Ω/km)	13.3
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Outer sheath	
Material	PVC
Nom. Thickness(mm)	0.9
Min. Thickness(mm)	0.67
Approx. Dia. of cable(mm)	9.7
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	181.0

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	97
b)for fixed installation	39
2. Max. pulling tension for conductor(kN)	0.735
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1500
2. Drum size(mm)	900 x 600 x 900
3. Gross weight per drum(kg)	293

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Spec.No

S-160513-25A-Switches

Prepared by

Song Kun Hua

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Approved by

Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



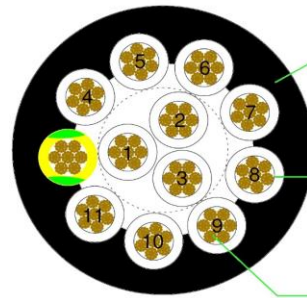
Specification

CONTROL CABLE: 12G x 1.5 mm²
CU/PVC/PVC Flexible Cable

Outer sheath

Insulation

Conductor



Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

No. of Cores	12
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	1.5
Approx. Conductor Dia.(mm)	1.57
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.2
Cable assembly	
	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	1.1
Min. Thickness(mm)	0.84
Approx. Dia. of cable(mm)	13.0
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	306.0

Color

Insulation White with black numbering(1~11) + Green/yellow

Outer sheath Black

Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	13.3
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	130
b)for fixed installation	52
2. Max. pulling tension for conductor(kN)	1.260
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	1000 x 710 x 1000
3. Gross weight per drum(kg)	330

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

Address	27 Senoko Way Singapore 758060
Tel	(65) 6367 0107
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Website	www.keystone-cable.com

Customer Approved by

Spec.No

S-160513-26A-Switches

Prepared by

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Approved by

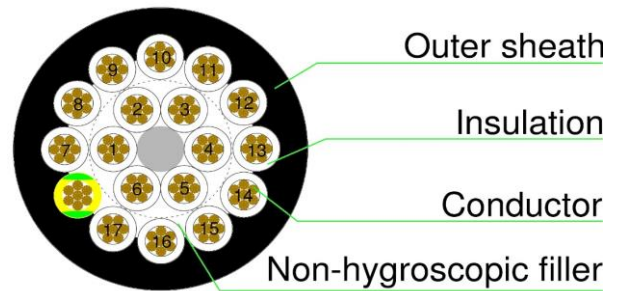
Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



Specification

CONTROL CABLE: 18G x 1.5 mm²
CU/PVC/PVC Flexible Cable



Outer sheath

Insulation

Conductor

Non-hygroscopic filler

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

No. of Cores	18
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	1.5
Approx. Conductor Dia.(mm)	1.57
Insulation	
Material	PVC
Nom. Thickness(mm)	0.4
Approx. Dia. over insulation(mm)	2.2
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	1.3
Min. Thickness(mm)	1.01
Approx. Dia. of cable(mm)	15.6
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	446.0

Color

Insulation White with black numbering(1~17) + Green/yellow

Outer sheath Black

Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	13.3
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	156
b)for fixed installation	62
2. Max. pulling tension for conductor(kN)	1.890
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	1000 x 704 x 1000
3. Gross weight per drum(kg)	475

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

Address	27 Senoko Way Singapore 758060
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Customer Approved by

Spec.No

S-160513-27A-Switches

Prepared by

Song Kun Hua

Checked by

Lulu

Approved by

Patrick Li

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



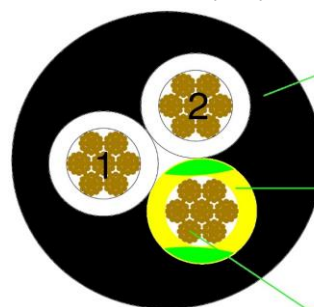
Specification
CONTROL CABLE: 3G x 2.5 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Outer sheath

Insulation

Conductor



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

Color

No. of Cores	3
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	2.5
Approx. Conductor Dia.(mm)	2.04
Insulation	
Material	PVC
Nom. Thickness(mm)	0.5
Approx. Dia. over insulation(mm)	3.1
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	0.9
Min. Thickness(mm)	0.67
Approx. Dia. of cable(mm)	9.0
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	146.0

Insulation	White with black numbering(1~2) + Green/yellow
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Outer sheath	Black
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Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	7.98
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	90
b)for fixed installation	36
2. Max. pulling tension for conductor(kN)	0.525
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	710 x 520 x 710
3. Gross weight per drum(kg)	168

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Customer Approved by

Spec.No

S-160513-28A-Switches

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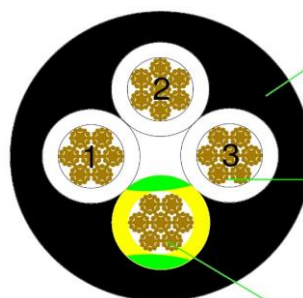
Specification
CONTROL CABLE: 4G x 2.5 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Outer sheath

Insulation

Conductor



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

Color

No. of Cores	4
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	2.5
Approx. Conductor Dia.(mm)	2.04
Insulation	
Material	PVC
Nom. Thickness(mm)	0.5
Approx. Dia. over insulation(mm)	3.1
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound

Insulation	White with black numbering(1~3) + Green/yellow
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Outer sheath	Black
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Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	7.98
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	99
b)for fixed installation	40
2. Max. pulling tension for conductor(kN)	0.700
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1500
2. Drum size(mm)	900 x 600 x 900
3. Gross weight per drum(kg)	290

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

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Spec.No

S-160513-29A-Switches

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Approved by

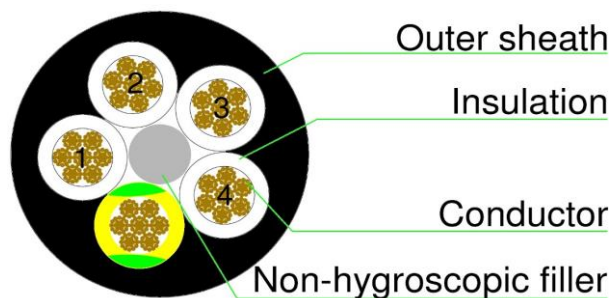
Patrick Li

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Specification
CONTROL CABLE: 5G x 2.5 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction		Color	
No. of Cores	5	Insulation	White with black numbering(1~4) + Green/yellow
Conductor		Outer sheath	Black
Material	Plain annealed copper wire	Performance	
Class of Conductor	Class 5	Electrical characteristics	
Conductor type	Stranded circular conductor	1. Max. Conductor D.C. resistance at 20°C(Ω/km)	7.98
Cross-Sectional Area(mm ²)	2.5	2. Min. Insulation Resistance at 20°C(MΩ•km)	10
Approx. Conductor Dia.(mm)	2.04	3. Spark test A.C. voltage value(kV)	4
Insulation		4. A.C. high voltage test for 5min(kV)	4
Material	PVC	Physical characteristics	
Nom. Thickness(mm)	0.5	1. Min. bending radius(mm)	110
Approx. Dia. over insulation(mm)	3.1	a)for occasional flexing	44
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound	b)for fixed installation	8.75
Outer sheath		2. Max. pulling tension for conductor(kN)	BS EN 50525-2-51
Material	PVC	3. Construction test	IEC 60332-1-2
Nom. Thickness(mm)	1.0	4. Flame retardant test	
Min. Thickness(mm)	0.75	Packing information	
Approx. Dia. of cable(mm)	11.0	1. Max. cable length per drum(m)	1000
O.D. tolerance(%)	± 8	2. Drum size(mm)	800 x 600 x 800
Approx. weight of cable(kg/km)	220.0	3. Gross weight per drum(kg)	238
		Cable Marking on the outer sheath	
		Type of printing	Ink jet printing
		Length marking	Yes
Contact Information		Customer Approved by	
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S-160513-30A-Switches		Song Kun Hua	Lulu
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		Patrick Li	

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.



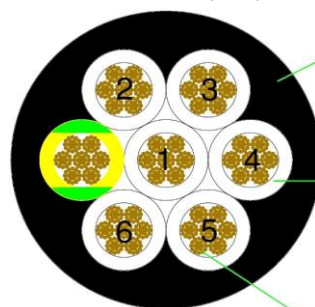
Specification
CONTROL CABLE: 7G x 2.5 mm²
CU/PVC/PVC Flexible Cable

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Outer sheath

Insulation

Conductor



Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

Color

No. of Cores	7
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	2.5
Approx. Conductor Dia.(mm)	2.04
Insulation	
Material	PVC
Nom. Thickness(mm)	0.5
Approx. Dia. over insulation(mm)	3.1
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound

Insulation	White with black numbering(1~6) + Green/yellow
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Outer sheath	Black
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Performance

Electrical characteristics	
1. Max. Conductor D.C. resistance at 20°C(Ω/km)	7.98
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Outer sheath	
Material	PVC
Nom. Thickness(mm)	1.1
Min. Thickness(mm)	0.84
Approx. Dia. of cable(mm)	12.2
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	293.0

Physical characteristics	
1. Min. bending radius(mm)	
a)for occasional flexing	122
b)for fixed installation	49
2. Max. pulling tension for conductor(kN)	1.225
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	900 x 600 x 900
3. Gross weight per drum(kg)	310

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Spec.No

S-160513-31A-Switches

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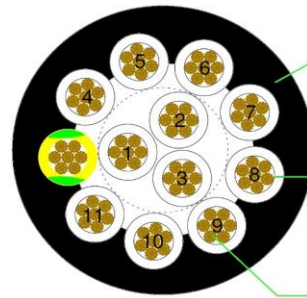
Specification

CONTROL CABLE: 12G x 2.5 mm²
CU/PVC/PVC Flexible Cable

Outer sheath

Insulation

Conductor



Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

No. of Cores	12
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	2.5
Approx. Conductor Dia.(mm)	2.04
Insulation	
Material	PVC
Nom. Thickness(mm)	0.5
Approx. Dia. over insulation(mm)	3.1
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	1.3
Min. Thickness(mm)	1.01
Approx. Dia. of cable(mm)	16.4
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	490.0

Color

Insulation White with black numbering(1~11) + Green/yellow

Outer sheath Black

Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	7.98
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	164
b)for fixed installation	66
2. Max. pulling tension for conductor(kN)	2.100
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	1120 x 800 x 1120
3. Gross weight per drum(kg)	520

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

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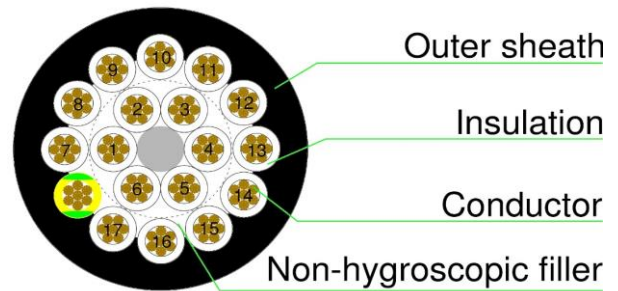
Patrick Li

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Specification

CONTROL CABLE: 18G x 2.5 mm²
CU/PVC/PVC Flexible Cable



Outer sheath

Insulation

Conductor

Non-hygroscopic filler

Application : This cable is intended for the interconnection of manufacturing machines; and for use in dry,humi,wet,or oil-resistant enviroments subject to moderate mechanical loads.

Rated Voltage(V)	300/500
Rated Temperature(°C)	
a)for occasional flexing	-15 to +70°C
b)for fixed installation	-40 to +80°C
Generally to Specification	BS EN 50525-2-51、 IEC 60228
	IEC 60332-1-2

Cable Construction

No. of Cores	18
Conductor	
Material	Plain annealed copper wire
Class of Conductor	Class 5
Conductor type	Stranded circular conductor
Cross-Sectional Area(mm ²)	2.5
Approx. Conductor Dia.(mm)	2.04
Insulation	
Material	PVC
Nom. Thickness(mm)	0.5
Approx. Dia. over insulation(mm)	3.1
Cable assembly	All the cores are assembled together with the outer interstices filled with the sheathing compound
Outer sheath	
Material	PVC
Nom. Thickness(mm)	1.5
Min. Thickness(mm)	1.18
Approx. Dia. of cable(mm)	19.6
O.D. tolerance(%)	± 8
Approx. weight of cable(kg/km)	710.0

Color

Insulation White with black numbering(1~17) + Green/yellow

Outer sheath Black

Performance

Electrical characteristics

1. Max. Conductor D.C. resistance at 20°C(Ω/km)	7.98
2. Min. Insulation Resistance at 20°C(MΩ•km)	10
3. Spark test A.C. voltage value(kV)	4
4. A.C. high voltage test for 5min(kV)	4

Physical characteristics

1. Min. bending radius(mm)	
a)for occasional flexing	196
b)for fixed installation	78
2. Max. pulling tension for conductor(kN)	3.150
3. Construction test	BS EN 50525-2-51
4. Flame retardant test	IEC 60332-1-2

Packing information

1. Max. cable length per drum(m)	1000
2. Drum size(mm)	1250 x 800 x 1250
3. Gross weight per drum(kg)	740

Cable Marking on the outer sheath

Type of printing	Ink jet printing
Length marking	Yes

Contact Information

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Spec.No

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