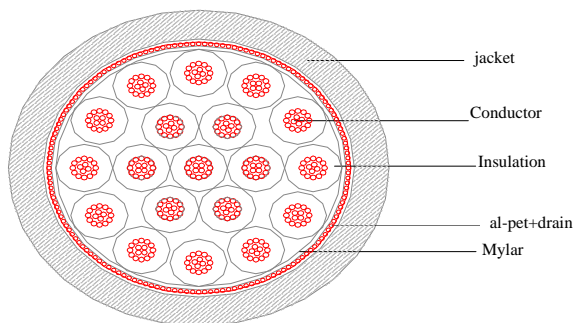


## Control cable Series



**Design: 19×2.5**



<b>Product Code:</b>	
<b>Product Description</b>	
<b>Application:</b>	industry
<b>standard</b>	Generally to IEC60502
<b>Construction</b>	
<b>Conductor</b>	stranded Bare Copper/BS EN60228 CL2
Construction	See the table 1
<b>Insulation</b>	XLPE
Thickness	See the table 1
Insulation Dia.	See the table 1
Insulation Color	black+white number
Numbering (white on black wire)	every 20 mm
<b>Filler</b>	optional
<b>Screen</b>	
Construction	al-pet with drain wire
drain wire	7*0.25 tinned Cu wire
<b>Mylar spiral</b>	≥125%
<b>Jacket</b>	LSOH BS7655 LTS1
Thickness(mm)	See the table 1
Dia.(mm)	See the table 1
Jacket Color	black

**Marking**  
According to the customer

**PACKAGING**  
500M/Wooden Drum

Electrical Characteristics		
Max.Conductor DC Resistance at 20 °C ( Ω /Km)	1.5mm <sup>2</sup>	<12.1
	2.5mm <sup>2</sup>	<7.41
	4.0mm <sup>2</sup>	<4.61
	6.0mm <sup>2</sup>	<3.08
	10.0mm <sup>2</sup>	<1.83
	16.0mm <sup>2</sup>	<1.15

Rated Temperature(°C)	-20 to +90
Rated Voltage U <sub>0</sub> /U	600/1000V
Min.Insulation DC Resistance at 20 °C ( M Ω *KM)	>500

RoHS GUIDELINE			
We operate according to the following standards			
Control Item	Standard	Testing Method	Testing Equipment
Cadmium content (Cd)	<0.01%	EN1122	ICP-AES
Lead content (Pb)	<0.1%	EPA3050B	ICP-AES
Mercury content (Hg)	<0.1%	EPA3052	ICP-AES
Chromium (VI) content	<0.1%	EPA3060(UN-VIS)	ICP-AES
Polybrominated Biphenyls (PBB)	Forbidden	GC/MS	
Polybrominated Diphenyl Ether (PBDE)	Forbidden	GC/MC	

Mechanical Characteristics	
Bending radius (OD=overall diameter)	10* OD

Table 1 Flame retardant to IEC60332-3-24 (category C)									
Square(mm <sup>2</sup> )	Core NO.	Conductor(mm)	XLPE Insulation(mm)	Insulation thickness(mm)	core identification	coll screen		LSOH Jacket(mm)	Jacket thickness(mm)
1.5	3	7*0.52	2.96±0.1	0.7	white number on black wire every 20mm	al-pet with 7*0.254mm tinned Cu wire		9.04	1.2
	7	7*0.52	2.96±0.1	0.7				11.72	1.3
	12	7*0.52	2.96±0.1	0.7				15.37	1.4
	19	7*0.52	2.96±0.1	0.7				18.05	1.5
	37	7*0.52	2.96±0.1	0.7				24.38	1.7
	48	7*0.52	2.96±0.1	0.7				28.04	1.9
2.5	2	7*0.66	3.38±0.1	0.7				9.45	1.2
	3	7*0.66	3.38±0.1	0.7				10.00	1.3
	4	7*0.66	3.38±0.1	0.7				10.94	1.3
	6	7*0.66	3.38±0.1	0.7				13.06	1.4
	7	7*0.66	3.38±0.1	0.7				13.06	1.4
	8	7*0.66	3.38±0.1	0.7				14.15	1.4
	12	7*0.66	3.38±0.1	0.7	17.24	1.5			
	14	7*0.66	3.38±0.1	0.7	18.18	1.5			
	16	7*0.66	3.38±0.1	0.7	19.21	1.6			
	37	7*0.66	3.38±0.1	0.7	27.53	1.8			
48	7*0.66	3.38±0.1	0.7	31.70	2.0				

**Table 1**

**Flame retardant to IEC60332-3-24 (category C)**

Square(mm2)	Core NO.	Conductor(mm)	XLPE Insulation(mm)	Insulation thickness(mm)	core identification	coll screen		LSOH Jacket(mm)	Jacket thickness(mm)						
4	2	7*0.83	3.89±0.1	0.7	white number on black wire every 20mm	al-pet with 7*0.254mm tinned Cu wire		10.54	1.3						
	3	7*0.83	3.89±0.1	0.7				11.18	1.3						
	4	7*0.83	3.89±0.1	0.7				12.26	1.3						
	5	7*0.83	3.89±0.1	0.7				13.45	1.4						
	6	7*0.83	3.89±0.1	0.7				14.70	1.4						
	12	7*0.83	3.89±0.1	0.7				19.50	1.6						
	14	7*0.83	3.89±0.1	0.7				11.18	1.3						
6	2	7*1.02	4.46±0.1	0.7				white number on black wire every 20mm	al-pet with 7*0.254mm tinned Cu wire		11.76	1.3			
	3	7*1.02	4.46±0.1	0.7							12.49	1.3			
	4	7*1.02	4.46±0.1	0.7							13.73	1.4			
	6	7*1.02	4.46±0.1	0.7							16.53	1.5			
	8	7*1.02	4.46±0.1	0.7							17.96	1.5			
	12	7*1.02	4.46±0.1	0.7							22.04	1.7			
	14	7*1.02	4.46±0.1	0.7							23.28	1.7			
10	4	7*1.33	5.39±0.1	0.7	white number on black wire every 20mm	al-pet with 7*0.254mm tinned Cu wire					16.14	1.5			
16	3	7*1.67	6.41±0.1	0.7							16.99	1.5			
	4	7*1.67	6.41±0.1	0.7							18.77	1.5			
<b>Fire resistant to IEC60331 750 degrees Celcius for 3 hours</b>															
2.5	12	7*0.66+Mica	3.88±0.1	0.7										19.5	1.6