

SHIELDED TWISTED PAIR CABLE (LSHF)



PART NUMBER: MGS208762LS
DESCRIPTION: 2/ 20 Standard Tinned Copper Wire LSHF Sheath
CONSTRUCTION: This cable consists of stranded tinned copper insulated conductors and an overall jacket.

Construction Parameters :

Conductor:	20 AWG stranded tinned copper
Stranding:	7/ 0.32mm tinned copper
Insulation Material:	HDPE
Insulated Conductor Diameter:	1.85mm
Number of Conductors:	1 pair
Shield Material:	Al. Polyester Tape, 100% Coverage
Drain Wire:	20 AWG tinned copper
Jacket Material:	LSHF
Jacket Thickness:	0.74mm
Nom. Overall Cable Diameter:	5.30mm
Nom. Lay Length:	38.20mm
Approximate Cable Weight:	21 (lbs./kft.)
Twist Per:	18 twists per 1 meter

Applicable Specifications and Agency Compliance (Overall) : **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CM
Communications Cable: (DUZX, DUZX7)	UL444

Physical Properties:

Min. Bend Radius:	53mm
Operating Temperature Range:	-25 °C to 80 °C

Electrical Properties :

Voltage Test:	500 DC V/I min
Voltage Rating:	300V
DC Resistance per Conductor:	<31.3 Ohm/km
Capacitance between conductors @ 1 KHz:	89 pF/m. Nom

Flame Test:

Halogen Content Test:	IEC60754-2
Smoke Density:	IEC61034-2
Flame Retardant:	IEC60332-1-2

Insulation Colors : Black, Clear

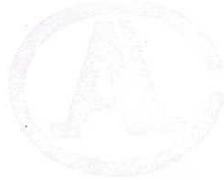
Jacket Color : Gray

Application:

The screen twisted data cable (TAE) is used for measuring, signaling, communicating and controlling purpose in various industries such as control panels, electronic devices, low voltage apparatus and communication building networks

The screen twisted cores reduce mutual influences from neighboring circuits

Product advantages: flexible, small outer diameter and small bending radius



中国认可
国际互认
检测
TESTING
CNAS L0207

150008220369 (2015) 国认监认字(093)号

报告编号
Reference No

CT16-4265

检 验 报 告

Test Report

样 品 名 称 Name of sample	MGS208762LS
样 品 型 号 Type of sample	NONUL
委 托 方 Consigner	Dong Guan Shun Hui Electronic Co., Ltd
检 验 类 别 Kind of test	Commission Test



国家电线电缆质量监督检验中心
CHINA NATIONAL CENTRE FOR QUALITY
SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE

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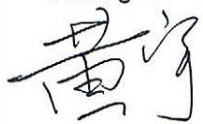

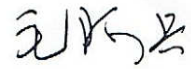
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China National Centre for Quality Supervision
and Test of Electric Wire and Cable
Test Report

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Type and size	NONUL 20AWG/2C+AE		Reference No.	CT16-4265	
Name of sample	MGS208762LS				
Kind of test	Commission Test				
Consigner	Name	Dong Guan Shun Hui Electronic Co., Ltd			
	Address	Zhengxingwei village, Tangxia town, Dongguan City, Guangdong Province, P.R.China			
	Tel.	0769-38932388	Fax	0769-38932399	
Manufacturer	Name	Dong Guan Shun Hui Electronic Co., Ltd			
	Address	Zhengxingwei village, Tangxia town, Dongguan City, Guangdong Province, P.R.China			
	Tel.	0769-38932388	Fax	0769-38932399	
Test standard	IEC 61034-2:2005 Measurement of smoke density of cable burning under defined conditions Part 2: Test procedure and requirements IEC 60754-2:2011 Test on gases evolved during combustion of materials from cable Part 2: Determination of degree of acidity of gases by measuring pH and conductivity IEC 60332-1-2:2004 Test on electric and optical fiber cables under fire condition Part 1-2: Test for vertical flame propagation for a single insulated wire or cable- Procedure for 1kW pre-mixed flame				
Date of test	From Jul. 19, 2016 to Jul. 28, 2016				
Conclusion	The items tested comply with the requirements of IEC 61034-2:2005, IEC 60754-2:2011 and IEC 60332-1-2:2004 respectively.				
Note	/				
Tested by	Huang Yu	Checked by	Gong Guoxiang	Approved by	Mao Axing
					
Date	2016.7.28	Date	2016.7.29	Date	2016.7.29



Type and size		NONUL 20AWG/2C+AE		Reference No.	CT16-4265	
Cl.	Test Items	Unit	Requirements	Test Results		Verdict
1	Measurement of smoke density of cables burning under defined conditions (IEC 61034-2) -minimum light transmittance	%	min.60	91		P
2	Test on gases evolved during combustion of material from cable(IEC 60754-2) -pH value of outer sheath -conductivity of outer sheath -pH value of insulation -conductivity of insulation		min.4.3	5.1		P
		μ S/mm	max.10	0.57		P
			min.4.3	5.0		P
		μ S/mm	max.10	0.47		P
3	Test for vertical flame propagation for a single cable (IEC 60332-1-2) -the distance between the lower edge of the top support and the onset of charring -the distance from the lower edge of the top support to the lower onset of charring	mm	greater than 50	435		P
		mm	not greater than 540	492		P
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Note: "P" means this item does meet the requirement, "F" means this item does not meet the requirement, "N" means this item does not apply to test object. "/" means this item does not require testing.