

## **SHIELDED MULTI CONDUCTOR CABLE (LSHF)**



**PART NUMBER:** MGS228771LS  
**DESCRIPTION:** 3/22 Standard Tinned Copper Wire LSHF Sheath  
**CONSTRUCTION:** This cable consists of stranded tinned copper insulated conductors and an overall jacket.

### **Construction Parameters :**

<b>Conductor:</b>	22 AWG stranded tinned copper
<b>Stranding:</b>	7/0.25mm tinned copper
<b>Insulation Material:</b>	PE
<b>Nom. Insulation Thickness:</b>	0.41mm
<b>Insulated Conductor Diameter:</b>	1.60mm
<b>Number of Conductors:</b>	3 Core
<b>Shield Material:</b>	Al. Polyester Tape, 100% Coverage
<b>Drain Wire:</b>	22 AWG stranded tinned copper wire
<b>Jacket Material:</b>	LSHF
<b>Jacket Thickness:</b>	0.83mm
<b>Nom. Lay Length:</b>	50.2mm
<b>Nom. Overall Cable Diameter:</b>	5.20mm
<b>Approximate Cable Weight:</b>	22 (lbs./kft.)

### **Physical Properties :**

<b>Min. Bend Radius:</b>	52mm
<b>Operating Temperature Range:</b>	-25 °C to 80 °C

### **Applicable Specifications and Agency Compliance (Overall) :**

#### **Applicable Standards & Environmental Programs**

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

## **Electrical Properties :**

Voltage Test:	500 DC V/l min
DC Resistance per Conductor:	<49.5 Ohm/km
Capacitance between conductors @ 1 KHz:	23 pF/ft. Nom

## **Flame Test :**

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

---

**Insulation Colors :** Black, Red, Nature

**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

CT16-4423-1

Reference No

# 检 验 报 告

## Test Report

样 品 名 称  
Name of sample

MGS228771LS

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

地址：上海市军工路1000号

电话：021-65494605



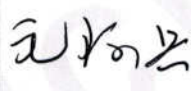
传真：021-65490171

报告查询网址：www.ticw.com.cn

电子信箱：ewec@ticw.com.cn

邮编：200093

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

Type and size	NONUL 22AWG/3C+AE		Reference No.	CT16-4423-1	
Name of sample	MGS228771LS				
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 Aug. 6, 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	2016.8.6	Date	2016.8.6	Date	2016.8.6



Type and size		NONUL 22AWG/3C+AE		Reference No.	CT16-4423-1	
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	94	P	
2	Test on gases evolved during combustion of material from cable( IEC 60754-2 ) -weighted pH value -weighted conductivity		min.4.3	5.2	P	
		μS/mm	max.10	0.37	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	mm	greater than 50	432	P	
	-the distance from the lower edge of the top support to the lower onset of charring	mm	not greater than 540	494	P	
Following blank						

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. "I" means this item does not require testing.