

Design your cable

Electric Wire & Cable / Optical Communication



[Http: www.sinyu.com.tw](http://www.sinyu.com.tw)

Introduction

Founded: 1987/Taiwan, 2001/China

Capital: 3million USD

Employees: 50(Taiwan), 140(China)

Capacity : Cable: 4000km per month

Patchcord: 200K terminal per month

Distribution : China, Taiwan (50%)

Europe, Russia, America, India

Bench marker :

Domestic : Formosa Plastic、 Chunghwa Telecom

International : Tyco, Turck, Amphenol



台塑關係企業
FORMOSA PLASTICS GROUP

#	Year	Milestone
1	1992	Automobile wire/Audio/Video Cable
2	1995	Retractable wire
3	1999	ISO-9001 2000 UL AWM Wire /Control Cable
4	2000	Cable Assembly
5	2001	Coaxial Cable /Optical Patch Cord
6	2004	CNS, JIS, UL Power cable
7	2007	Media Converter/ Video Fiber Converter
8	2008	ISO-9001 2008
9	2010	Optic Cable, UL 444 Communication cable CM
10	2012	HDMI over fiber solution
11	2013	Leaky Cable / Feeder Cable/ AOC
12	2014	Super Flexible Cable for Robot
13	2015	Low Smoke Halogen Free (LSFH) Cable
14	2016	FTTH Optic Cable and Component
15	2017	Electric Vehicle Cable(EV)
16	2021	LAN Cable CAT 8

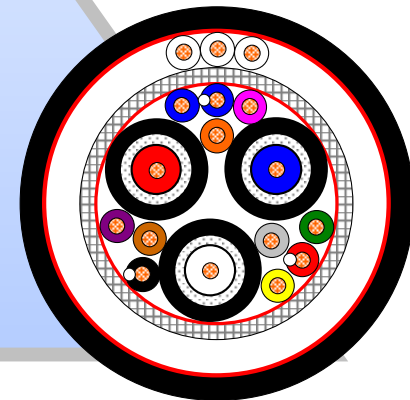
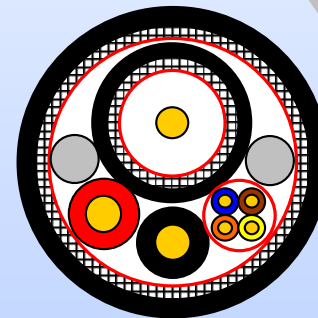
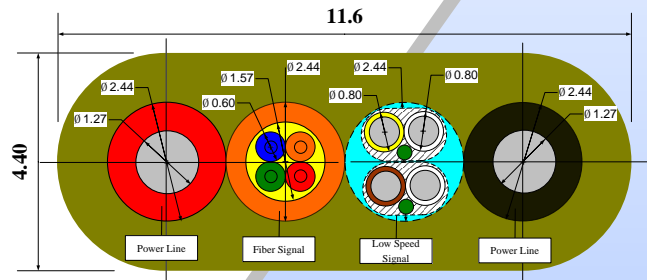
Design Your Cable

Over 30 years cable manufacturing experience

In-depth understanding in cable design

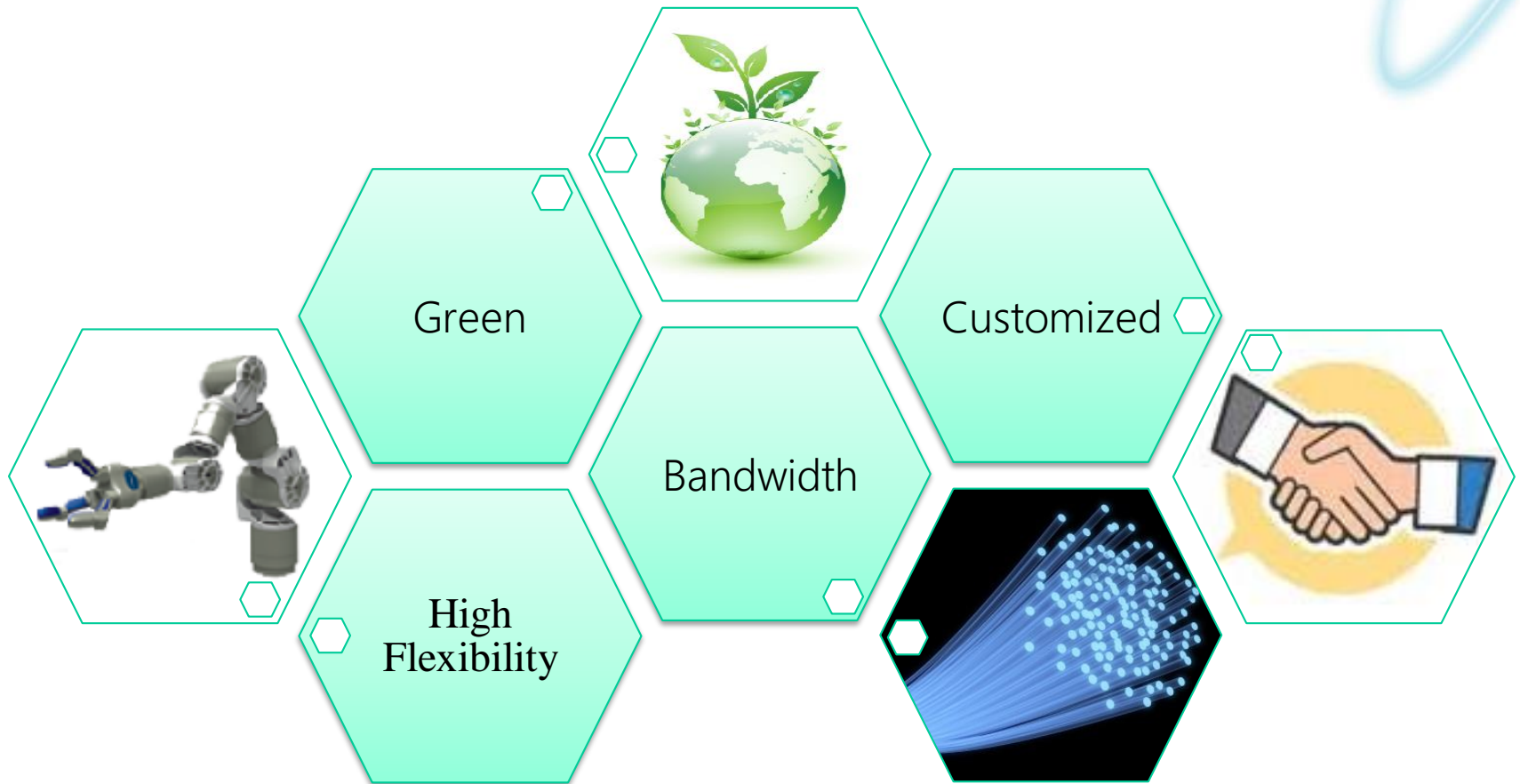
Long term quality promise to customer

Worldwide sales channel



Increase your competitiveness in power and signal transmission

Goal



Increase your competitiveness in power and signal transmission

Product category

■ Power & Control

Control Cable, Power Cable, Flat Cable,
Hook-Up Wire, Automobile Wire

■ Coaxial

RG&JIS type, Low loss, High-T

■ LAN & Optical

Telephone and LAN Cable, Adapter, Converter
Fiber Optical Cable, Patch Cord, Attenuator

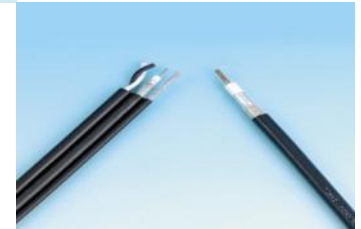
■ Customize

Specialty, Hybrid



CC-Link[®]

 **Telcordia**[®]



 **Underwriters
Laboratories**

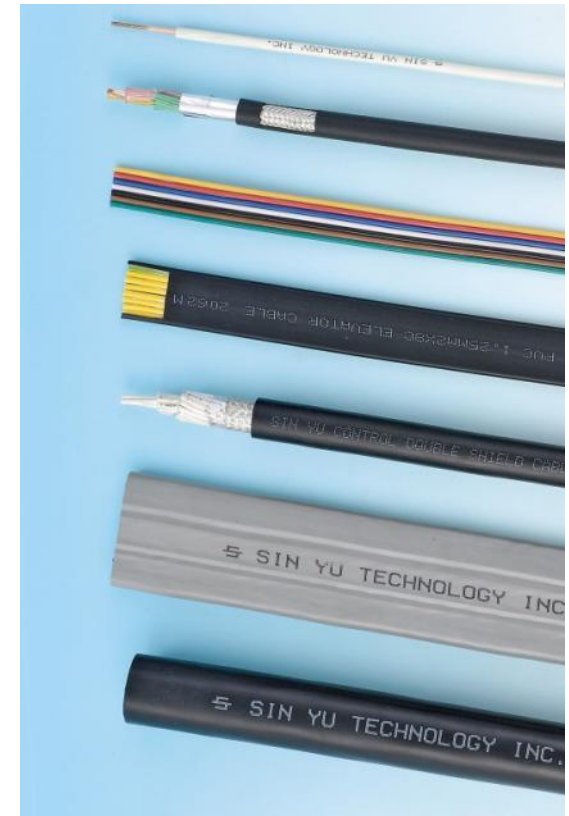
 **RoHS
COMPLIANT**



Power & Control Cable

<Feature>

- ◆ Flexibility.
- ◆ Material: ex: XLPE, TPE, TPU, FEP, etc.,
- ◆ Certificated.
- ◆ Rated temperature, -60°C~200°C.
- ◆ Flame resistant, CM and LSFH is available.



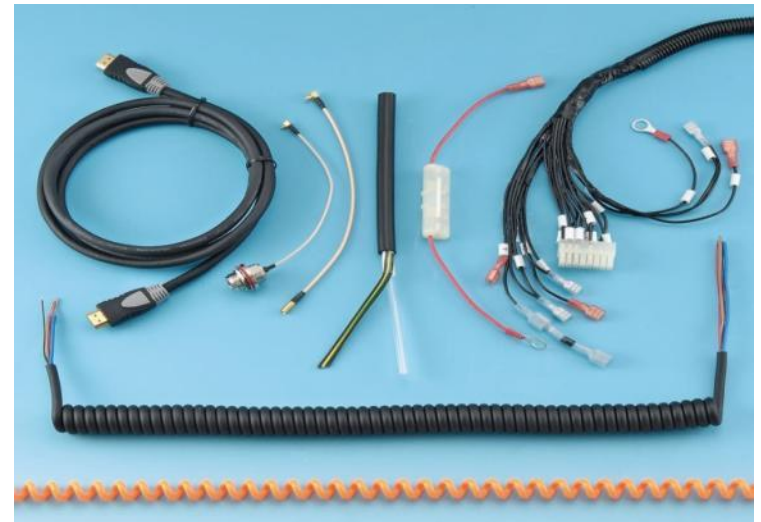
Power & Control Cable	
Merchandise	Type
Control Cable	UL AWM 2464, 2516, MSHA; JIS VCTF; VDE CC-Link; CM
Power Cable	UL; CNS; VDE; JIS
Flat Cable	UL2468; 2555; 2651; FFC
Hook-Up Wire	UL 1007; 1061; 1015; 1569
Automobile Wire	JIS; SAE; DIN

Special Request Wire & Cable

<Feature>

- ◆ Can do the special cable as your request.
- ◆ Retractable wire & cable can be used as hook up wire, power cord and computer cable...etc.
- ◆ Use different insulation combination will change elasticity as below.

<u>Special Request Wire & Cable</u>	
Merchandise	Type
Customer's request	OEM or ODM
Retractable Wire	PVC; TPE; TPU; HPN
Audio & Video Cable	OEM or ODM
Cable Assembly	OEM
HDMI	



Coaxial Cable

<Feature>

- ◆ Can be low loss.
- ◆ Can be high working frequency.
- ◆ Can be flame resistant. (CM, LSFH)
- ◆ Can be high rated temperature.

<u>Coaxial Cable</u>	
Merchandise	Type
RG standard	Physical Foamed RG-6/U; RG-11/U; CM
Semi-flexible	RG-174/U; RG-316/U; RG-178; RG-179
JIS standard	5C-FB; 7C-FB
Low Loss	HSB series
Special	Compound; Mini-Coaxial



LAN and Optical Communication

<Feature>

Best solution for your communication cabling.

LAN and Optical Communication	
Merchandise	Type
LAN Cable	CAT 5E, CAT 6, CAT6A, CAT7, CAT8
Telephone Cable	Indoors: Outdoors; PCM(E1)
Fiber Optical Cable	Loose Tube; Tight Buffer; Compound
Patch Cord	SC; ST; FC; LC; E2000; MU; MTRJ
Adapter	SC; ST; FC; LC; E2000; MU; MTRJ
Attenuator	SM/MM Plug In Line
Converter	Media Converter; Video Fiber Converter





CERTIFICATE



This is to certify that

Sin Yu Technology Inc.

No. 115, Tandeng, Xinshi Dist.
Tainan City 74449
Taiwan (R.O.C.)

has implemented and maintains a Quality Management System.

Scope:

The design and manufacture of appliance wiring materials, coiled cables, audio and video cables, automobile wires and cables, fire and heat resistant cables, coaxial cables, electrical wires and cables, control cables, and fiber optic cable. The design of power supply cords.

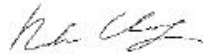
Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2015

Certificate registration no.	20002764 QM15
Date of original certification	1999-08-26
Date of revision	2020-11-02
Date of certification	2020-11-16
Valid until	2023-11-15



DQS Taiwan Inc.



Rock Chang
Managing Director

Accredited Body: DQS Taiwan Inc., 8F, 23, Yuan Huan West Road, Feng Yuan Dist., Taichung City, Taiwan 420

2018/1/24

AVLV8.E191346 - Appliance Wiring Material Certified for Canada - Component



AVLV8.E191346
Appliance Wiring Material Certified for Canada - Component

[Page Bottom](#)


Appliance Wiring Material Certified for Canada - Component

[See General Information for Appliance Wiring Material Certified for Canada - Component](#)

SIN YU TECHNOLOGY INC
115 Tan Ting Village
Hsin Shih
Tainan, 744 TAIWAN

E191346

Appliance wiring material, AWM AWM Class I,II or I/II, Group A, B or A/B.

Marking: Company name and the Recognized Component Mark for Canada,  on the attached tag, the reel or the smallest unit container in which the product is packaged.

[Last Updated](#) on 2018-01-09

[Questions?](#)

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2019/12/30

COMMUNICATIONS CABLE CERTIFIED FOR CANADA | UL Product IQ

UL Product IQ™



DUZX7.E324250 - COMMUNICATIONS CABLE
CERTIFIED FOR CANADA

Communications Cable Certified for Canada

[See General Information for Communications Cable Certified for Canada](#)

SIN YU TECHNOLOGY INC
115 Tan Ting Village
Hsin Shih
Tainan, 744 TAIWAN

E324250

Communications cable, Type(s) CM, CMG, CMH, CMX

[Last Updated](#) on 2012-01-05

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CERTIFICATE OF COMPLIANCE

Certificate Number E191346
Report Reference E191346-20010905
Issue Date 2020-JULY-28

Issued to: SIN YU TECHNOLOGY INC
115 Tan Ting Village
Hsin Shih
Tainan 744 TAIWAN

This certificate confirms that representative samples of

COMPONENT - APPLIANCE WIRING MATERIAL
SINGLE-CONDUCTOR THERMOPLASTIC-INSULATED WIRE
1007 , 1015 , 1028 , 1061 , 1185 , 1283 , 1284 , 1354 , 1500 , 1569 , 1617 , 1650 , 1672 , 10002 , 10113 , 10466 , 10467 , 10483 , 10492 , 10493 , 10918 , 11254 , 11731 , 11747 .

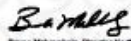
Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 758, Appliance wiring material
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahanovic, Director North American Certification Programs
UL LLC

Any information and documentation involving UL Mark certifies are provided on behalf of UL LLC (LLC) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <https://www.ulprospector.com/ContactUs>.



UL Product IQ™



DUZX.E324250 - COMMUNICATIONS CABLE

Communications Cable

See General Information for Communications Cable

SIN YU TECHNOLOGY INC
115 Tan Ting Village
Hsin Shih
Tainan, 744 TAIWAN
Type(s) CM, CMG, CMP, CMR, CMX, CMX Outdoor, CMX Outdoor-CMR

E324250

Last Updated on 2019-11-12

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**DVBI.E498153****Local Area Network Cable Verified for Transmission Performance in Accordance with National or International Specifications**[Page Bottom](#)**Local Area Network Cable Verified for Transmission Performance in Accordance with National or International Specifications**[See General Information for Local Area Network Cable Verified for Transmission Performance in Accordance with National or International Specifications](#)**SIN YU TECHNOLOGY INC**

E498153

115 Tan Ting Village
Hsin Shih
Tainan, 744 TAIWAN**Data transmission cable****CM - Listed and verified in accordance with:**

ANSI/TIA-568-C.2 Category 3, SE, 6.

UL Data Transmission Program (CAT 5).

CM Patch Cable - Listed and verified in accordance with:

ANSI/TIA-568-C.2 Category 3, SE, 6.

UL Data Transmission Program (CAT 5).

CMR - Listed and verified in accordance with:

ANSI/TIA-568-C.2 Category 3, SE, 6.

UL Data Transmission Program (CAT 5).

CMR Patch Cable - Listed and verified in accordance with:

ANSI/TIA-568-C.2 Category 3, SE, 6.

UL Data Transmission Program (CAT 5).

CMX - Listed and verified in accordance with:

ANSI/TIA-568-C.2 Category 3, SE, 6.

UL Data Transmission Program (CAT 5).

CMX Outdoor - Listed and verified in accordance with:

ANSI/TIA-568-C.2 Category 3, SE, 6.

UL Data Transmission Program (CAT 5).

CMX Outdoor-CM - Listed and verified in accordance with:

ANSI/TIA-568-C.2 Category 3, SE, 6.

UL Data Transmission Program (CAT 5).

CMX Outdoor-CMR - Listed and verified in accordance with:

ANSI/TIA-568-C.2 Category 3, SE, 6.

UL Data Transmission Program (CAT 5).

CMX Patch Cable - Listed and verified in accordance with:2018/3/23 DVBI.E498153 - Local Area Network Cable Verified for Transmission Performance in Accordance with National or International Specifications
ANSI/TIA-568-C.2 Category 3, SE, 6.

UL Data Transmission Program (CAT 5).

Verified only in accordance with:

ANSI/TIA-568-C.2 Category 6, 6A.

Last Updated on 2018-01-18[Questions?](#)[Print this page](#)[Terms of Use](#)[Page Top](#)

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Optical Component

<Features>

- ◆ Multi-fiber parallel connector
- ◆ Comply with JIS C 5981
- ◆ Simple push/pull latching
- ◆ Low insertion loss
- ◆ High fiber density
- ◆ 100% tested before shipping

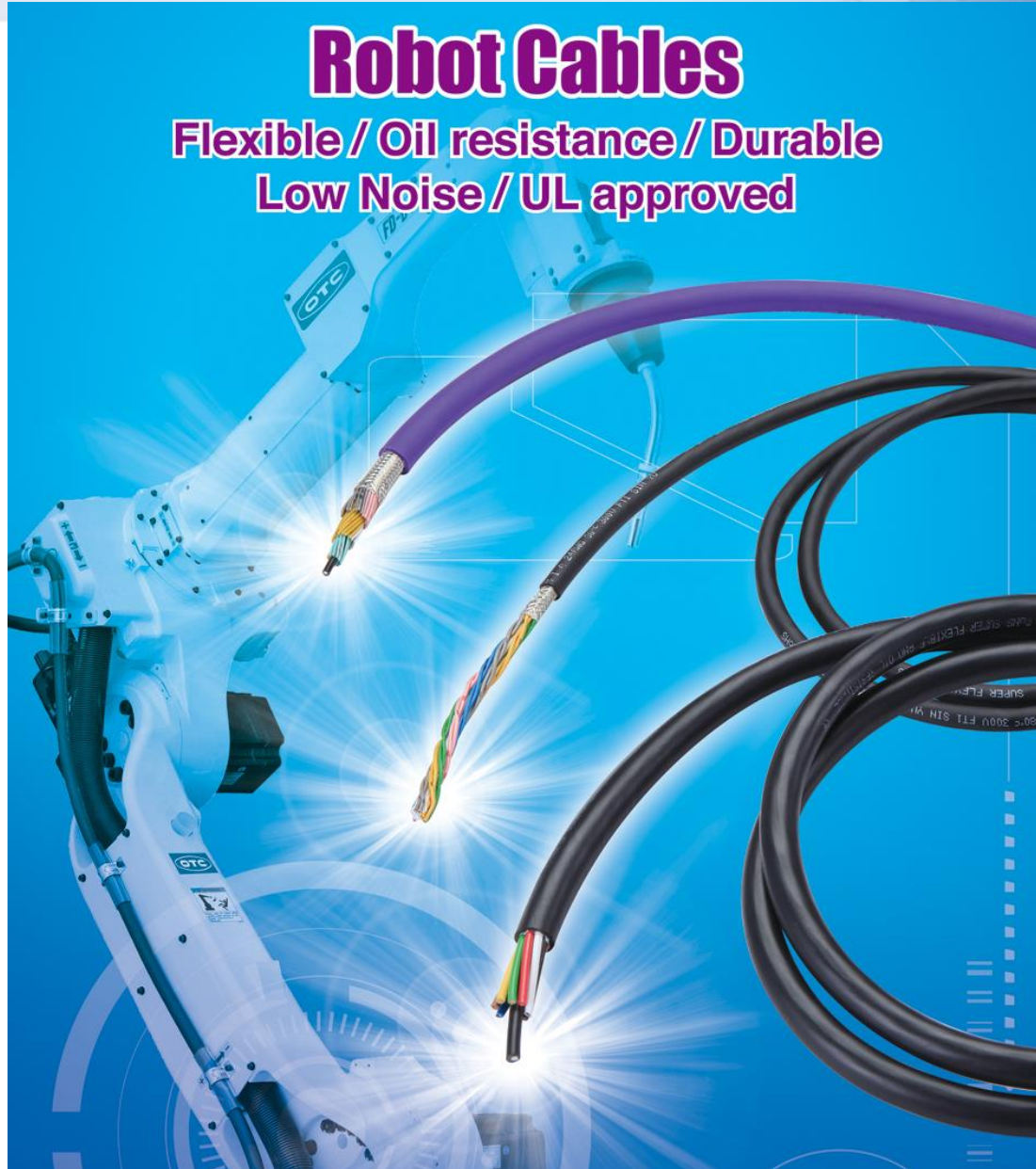




SIN YU

Robot Cables

Flexible / Oil resistance / Durable
Low Noise / UL approved

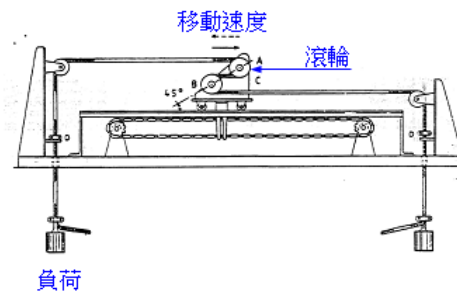
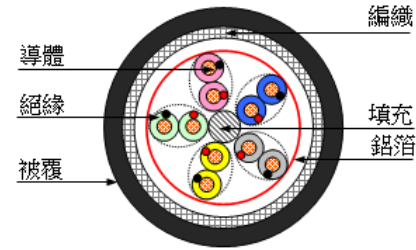


Increase your competitiveness in power and signal transmission

NO : S07-2744-1.0

規 格 書
結 構 圖

產品編號		
品 名		耐移動 UL 2464
規 格		28AWG×5P+A+B
客 戶		
結 構 與 組 成		
導 體	AWG	28AWGx5P
	組成	19/0.08±0.008mm
	O.D.	0.4mm
	材質	BC(裸銅線)
備註		
絕 緣 體	厚度	0.25mm(Nominal)
	O.D.	0.9±0.05mm
	材質	SR-PVC
	顏色	藍(一點紅、一點黑)、粉(一點紅、一點黑)、綠(一點紅、一點黑)、黃(一點紅、一點黑)、灰(一點紅、一點黑)
填充	種類	棉線
隔 離	Tape	鋁箔
	編織	0.12mm, TC, 85%
被 覆	厚度	0.76m(Nominal)
	O.D.	6.5±0.3mm
	材質	PVC
	顏色	霧黑
印字		E191346 cULus AWM 2464 28AWGx5P 80°C 300V VW-1 AWM I/II A/B 28AWGx5P 80°C 300V FT1 SIN YU SUPER FLEXIBLE RoHS
特 性		
項 目	規格 (標準)	備 註
額定溫度	80°C	
額定電壓	300V	
導體電阻	<223Ω/km	
絕緣電阻	20MΩ·km	
火花測試	3KV	
耐電壓測試	AC 2KV/1Min.	
環保需求	RoHS	
外被耐酸鹼	pH 3.5-9.5	
彎 曲 測 試 Flexing test	移動速度:	0.33m/sec.
	行程:	1m
	彎曲半徑:	10×OD(外徑)
	電流:	0.5A
	負荷:	0.5 kg
	試驗次數:	3,000,000 (cycles)

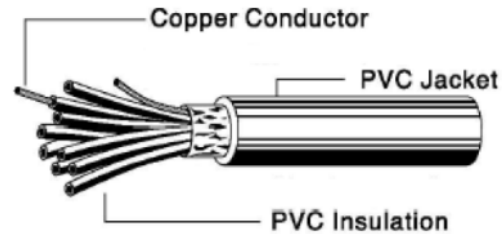


核准：蔡甲欣

審核：黃正吉

製表：吳辰禹 2016/11/29

Super Flexible 超耐移動

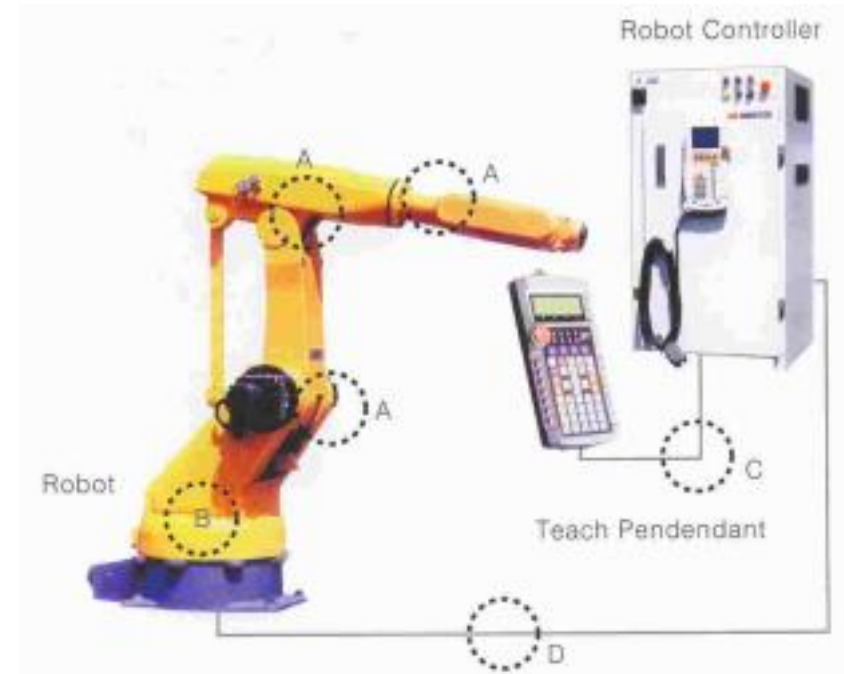


應用

移動線槽 Cable tracks,
機械人手臂 Robots,
自動化設備
連續移動應用



Pick and place units,
Conveyor systems; Machine tools
Automate handing equipment
Continuous flexing applications





SIN YU

Active Optical Cables

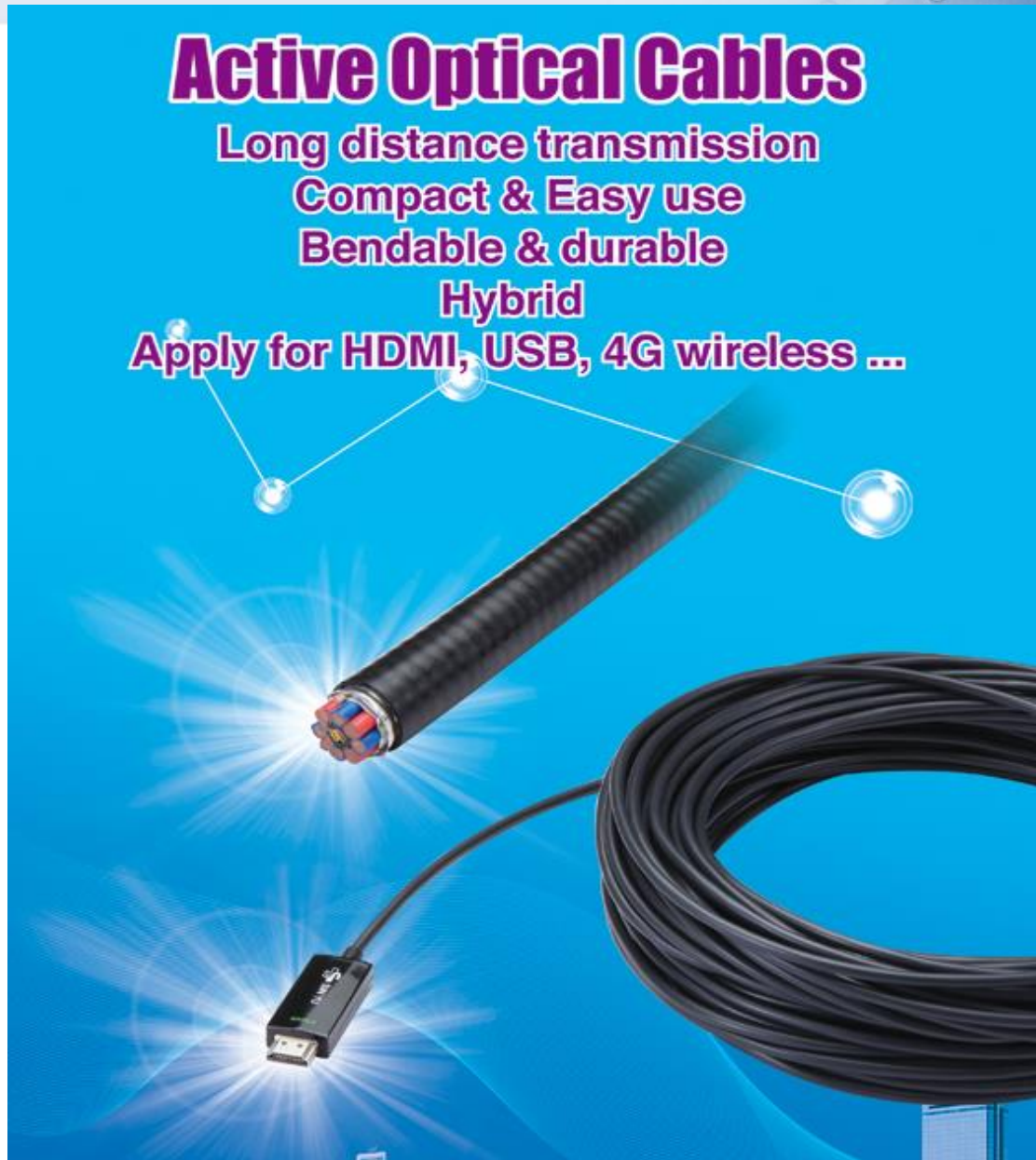
Long distance transmission

Compact & Easy use

Bendable & durable

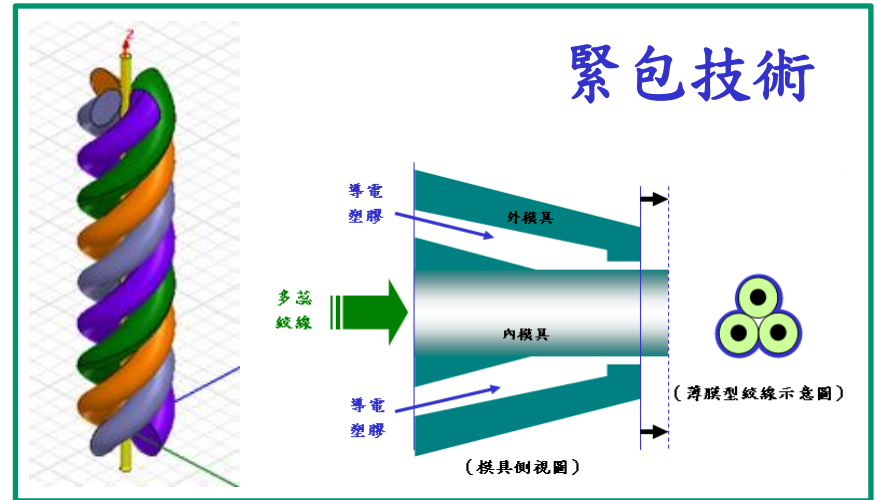
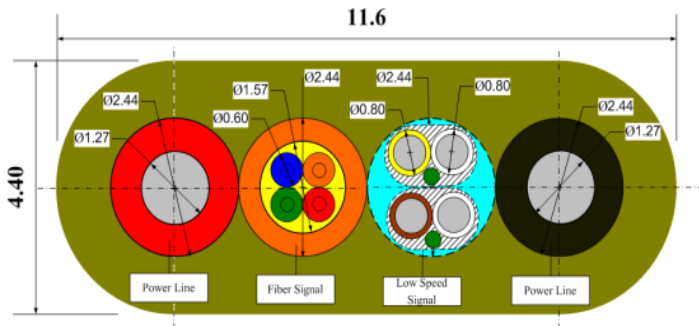
Hybrid

Apply for HDMI, USB, 4G wireless ...



Increase your competitiveness in power and signal transmission

主動光纜 AOC



Increase your competitiveness in power and signal transmission

AS-IS



HDMI over copper

Limited transmit distance
<10m



TO-BE



HDMI over fiber

Type I, Transmit HD-signal
up to 1km without image
compression



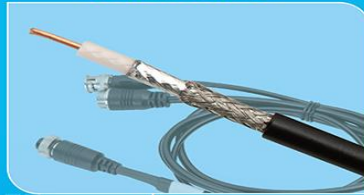
Type II, Transmit HD-signal
up to 100m, Easy
use as copper type.

 **SIN YU**

Automotive Wire & Cable

EV Cable / Ignition Cable
Wire Harness / Cable Assembly

Cable Assembly



Ignition Cable



EV Cable



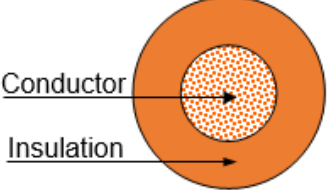
Wire Harness

[Http: www.sinyu.com.tw](http://www.sinyu.com.tw)

NO. : S03-0429-1.1

SPECIFICATION

CONSTRUCTION DIAGRAM

Part no.			
Name		EV Cable	
Style		16.0 mm ²	
Customer			
CONSTRUCTION			
Conductor	Area	16.0 mm ²	
	Structure	511/0.2±0.01mm	
	O.D.	5.6 mm	
	Material	Bare Copper	
Insulation	Thickness	1.1 mm(Nominal)	
	O.D.	8.0±0.4 mm	
	Material	XLPE	
	Color	Orange	
Jacket	Thickness		
	O.D.		
	Material		
	Color		
	Marking	EVR-150 16mm ² 1000V -40°C ~ +150°C SIN YU	
CHARACTERISTICS			
Item	Specification		
Rating Temperature	-40 ~ 150°C		
Rating Voltage (AC.)	1kV		
Flame test	VW-1		
Bend radius	< 35 mm		
Comply with ISO 6722 (3000 h aged test)			

Approval: Josh Tsai

Review: Z.J. Huang

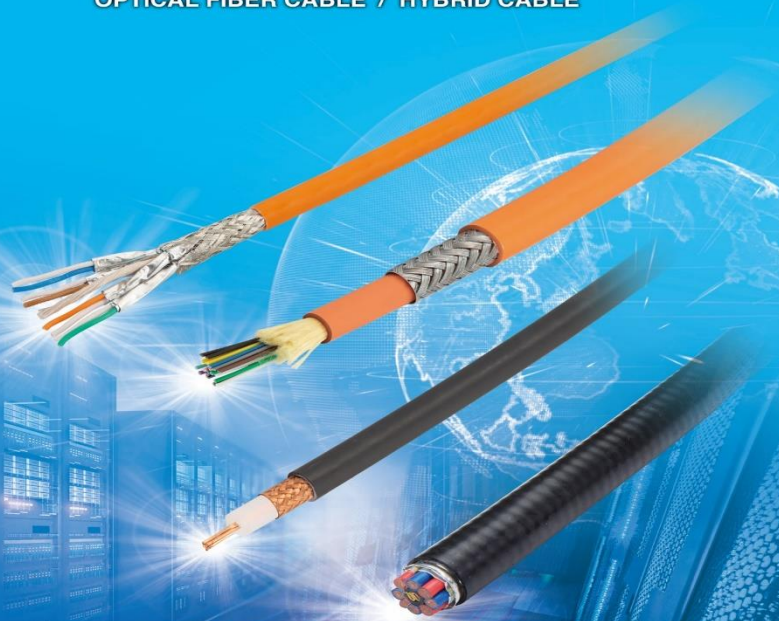
Tabulation: Adam 2022.08.03



SIN YU
HIGH SPEED SIGNAL CABLE

HIGH PERFORMANCE
STABILITY QUALITY
FLEX OPTIONAL

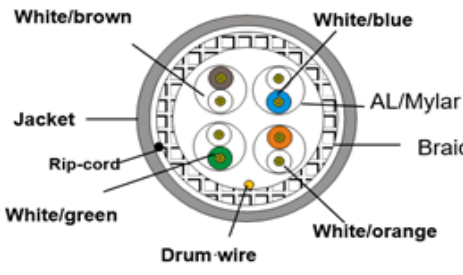
LAN CABLE / COAXIAL CABLE
OPTICAL FIBER CABLE / HYBRID CABLE



[Http: www.sinyu.com.tw](http://www.sinyu.com.tw)

NO.: S07-4024-1.1

SPECIFICATION CONSTRUCTION DIAGRAM

Part no.					
Name		LAN Cable			
Style		S/FTP CAT6A			
Customer					
結構與組成					
Conductor	AWG	24			
	Structure	7/0.2±0.01mm			
	O.D.	0.6 mm			
	Material	BC(Bare Copper)			
Insulation	Thickness	0.35mm(Nominal)			
	O.D.	1.35±0.05mm			
	Material	FPE			
	Color	(White, Blue), (White, Orange), (White, Green), (White, Brown)			
Isolation	Type	Al-foil			
	Drain	Tinned Copper			
	Braiding	0.12mm Al, ≥80%			
	Material	RIP CORD			
Jacket	Thickness	0.5mm(Nominal)			
	O.D.	7.6±1.0mm (Nominal)			
	Material	LSZH			
	Color	Gray			
Marking		SIN YU YAD-615 Cat.6A 4x2x24AWG Halogen-Free CE ANSI/TIA 568 2-D ISO/IEC-11801 XXXXM			
Electrical Performance					
Item				Standard	
1.0-500.0MHz, impedance(Ω)				100±15	
Unbalanced-to-ground capacitance (pf/100m) max				330	
DC Resistance 20°C (Ω /100m) max				9.38	
DC Conductor Resistance Unbalance(%)max				5.0	
Flame Resistance				IEC 60332-1	
Technical Performance					
Frequency (MHz)	RL (≥dB)	ATT (≤dB)	NEXT (≥dB)	DELAY (≤ns)	ELFEXT (≥dB)
1.0	19.0	3.0	65.0	580	63.3
4.0	19.0	4.2	63.0	562	51.2
8.0	19.0	5.8	58.2	557	45.2
16.0	18.0	8.2	53.2	553	39.2
20.0	17.5	9.2	51.6	552	37.2
31.25	16.5	11.4	48.4	550	33.4
62.5	14.0	16.5	43.4	549	27.3
100	12.0	20.9	39.9	548	23.3
200	9.0	30.1	34.8	547	17.2
300	7.2	37.4	31.7	546	13.7
400	6.0	43.7	28.7	546	11.2
500	6.0	49.3	26.1	546	9.3



End of Presentation !!
Thank You