

連結未來 通達無限

電線電纜

Wire & Cable



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目錄

CONTENTS

簡介 Introduction	04
通信用電線電纜 Communication Cables	05
光纜 Optical Fiber Cables	07
電力用電線電纜 Power Cables	10
電子用線 Electronic Wires	13
網路線 Lan Cable	14
製造設備 Manufacturing Equipment	15
品質保證 Quality Assurance	16

簡介

INTRODUCTION

電線電纜廠成立於 1966 年，大同網路線、電力電纜、通信電纜與光纜產品廣泛使用於通信、電力傳輸、配電以及各種資通訊產品和電子零組件。產品長期提供台灣電力公司、中華電信公司、軍、公、民營事業單位及外銷世界各地，是台灣電線電纜業主要廠家之一。本廠已通過國際標準 ISO9001、ISO14001、ISO45001 及 ISO50001 驗證，並獲得經濟部工業局核定為一級工廠，堅持對顧客保證產品品質可靠的承諾。

電纜廠遵循公司集團推動永續發展政策的決心與 ESG 指標，落實污染預防有回報 3P 計畫，將清潔生產觀念應用於工作，並持續研發低鉛無鎘與低煙無鹵的優良無毒化產品，降低對環境的污染衝擊，善盡世界公民責任。

Wire and Cable plant was established in 1966, has excellent experience in production and marketing of wire and cable for decades. Being one of the leaders in the field of wire and cable in Taiwan, its products are widely used in telecommunications, power transmission and various applications. In order to keep ensuring reliable quality as promise to customers, we have been approved as a first-class factory by the Industrial Bureau of the Ministry of Economic Affairs, it has obtained the ISO9001, ISO14001, ISO45001 and ISO50001 certification.

The cable plant follows the determination of group to promote sustainable development policies and ESG indicators, implements the Pollution Prevention Plan for pollution prevention and feedback, applies the concept of clean production to work, and continues to develop environmentally friendly, low-lead & cadmium-free and low-smoke & halogen-free products. Our non-toxic products reduce the impact of environmental pollution, bring people a safer quality of life, and fulfill the responsibility of world citizens.

通信用電線電纜

COMMUNICATION CABLES

通信電纜是構造精密、品質標準極高的產品，由於電子科技的高度發展，電信技術一日千里，電信網路已進入數位化時代，對通信傳輸系統產品品質要求更是有增無減。本公司擁有非常優秀的工程師群及各種最新式自動化生產設備及檢驗儀器，專精生產各種通信電纜，素以品質精良，享譽業界，有多種產品榮獲中華電信公司免驗交貨的榮譽，此外並大批供應軍、公、民營事業單位及外銷，深獲好評，低煙無毒外被電纜獲捷運局承認，用於捷運室內配線。

The communication cable is famous for its precision and high reliability. We are active in developing program and we have excellent engineers and new automation high speed production line. Specializing in developing programs. Our products are mainly offered to Chunghwa Telecom Co., Ltd. of Taiwan, Armed Force, Mass Rapid Transit systems, and overseas markets.

名稱 /Product	型式 /Type	尺寸 /Size	用途說明 /Application
聚乙烯雙層薄絕緣鉛帶鋼帶聚乙烯被覆市內電話電纜 (FS-STP 電纜) Foam Skin Stalpeth City Primary Cable	50 對簇型 400P，100 對簇型 600P~3200P 50-pair unit type for 400P, 100-pair unit type for 600~3200P	0.4mm ø, 0.5mm ø, 0.65mm ø, 0.9mm ø	交換局與用戶間之幹線線路 Trunk cable between exchange termination and subscribers.
聚乙烯雙層薄絕緣充膠積層被覆市內電話電纜 (FS-JF-LAP 電纜) Foam Skin-Jelly Filled-LAP City Telephone Cable	10P~600P	0.4mm ø, 0.5mm ø, 0.65mm ø	市內電信地下線路 Underground line for city telecommunication use.
彩色塑膠充膠防水星紋市內電話電纜 (CCP-JF-LAP 電纜) CCP-JF-LAP Star Quad City Telephone Cable	10P~600P	0.4mm ø, 0.5mm ø, 0.65mm ø	市內電話地下配線用 Underground distribution for city telephones.

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彩色塑膠絕緣積層被覆星紋市內電話電纜 (CCP 電纜) Color Coded Plastic-LAP City Telephone Cable	CCP-LAP, CCP-LAP-SS 10P~600P	0.4mm ø, 0.5mm ø, 0.65mm ø, 0.9mm ø	市內電話配線系統用 Used for city telephone system.
PE-PVC 屋內數位電纜 PE-PVC Indoor Digit Cable	1P~4P	0.5mm ø, 0.65mm ø	大樓內電信插座間配線作為數位及類比信號傳輸用 Connecting media of telecommunication carbinets in building for digital and analog signal transmission.
PE 絕緣 PVC 被覆屋內電纜 PE-PVC Star Quad Indoor Telephone Cable	6P~600P	0.4mm ø, 0.5mm ø	大樓內電話配線線路用 Used for indoor telephone distribution line.



光纜

OPTICAL FIBER CABLES

光纜具有寬頻帶、低損失、體積小、不導電、無干擾等特性，為今後多媒體傳輸的主流。本公司與世界光纖傳輸權威廠家－日本古河電氣工業株式會社技術合作，導入最先進技術、設備，生產各種光纖光纜產品，大量供應電信公司及各界光纜的需求，低煙無毒外被鎧裝光纜獲捷運局承認，用於室內配纜。

Optical fiber feature in their broad bandwidth, low loss, small volume, no crosstalk make optical transmission system a promising and indispensable pillar for video multimedia. Having cooperated with Furukawa Electric of Japan, we begin to produce optical fiber cable in 1990 and thus step into the new era of optical transmission.



名稱 /Product	型式 /Type	尺寸 /Size	用途說明 /Application
束管型充膠單模光纜 Loose tube jelly-filled single mode optical cable	<0.4dB/km @1310nm <0.3dB/km @1550nm	6C~216C	長途及中繼骨幹網路 City junction and long-haul back-bone optical network
自持型束管型充膠單模光纜 Self-support loose tube jelly-filled single mode optical cable	<0.4dB/km @1310nm <0.3dB/km @1550nm	6C~216C	長途及中繼骨幹網路 City junction and long-haul back-bone optical network
束管型波紋鋼管鎧裝充膠單模光纜 Loose tube laminated steel PE sheath jelly-filled single mode optical cable	<0.4dB/km @1310nm <0.3dB/km @1550nm	6C~216C	防鼠咬、直埋或其他特殊環境，如捷運系統用低煙無毒外被鎧裝光纜 Rodent-proof, direct-buried, aerial or other special environmental condition, ex. LSZH sheath armored optical cable for MRT system
無金屬束管型充膠單模光纜 Non-metallic Loose tube jelly-filled single mode optical cable	<0.4dB/km @1310nm <0.3dB/km @1550nm	6C~216C	高壓電力線區域 High voltage area
無金屬束管型充膠單模自持光纜 Non-metallic Loose tube jelly-filled single mode Self-Supported optical cable	<0.4dB/km @1310nm <0.3dB/km @1550nm	6C~96C	高壓電力線區域 High voltage area

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溝槽型單模光纜 Ribbon slot optical cable	<0.4dB/km @1310nm <0.3dB/km @1550nm	4~600C	長途、中繼骨幹網路及用戶迴路 City junction and subscriber line
屋內耐燃光纜 Tight buffer	<0.4dB/km @1310nm <0.3dB/km @1550nm	6C~96C	接室內光終端設備 Connection of indoor optical terminal distribution
光纖引線及跳接線 Pigtail & patch cord	FC, SC, ST, LC, MU, MTRJ	Return Loss>50dB InsertionLoss<0.3dB	儀器或終端設備 Instrument or terminal distribution
扁平光纜 Flat optical cable	<0.4dB/km @1310nm <0.3dB/km @1550nm	1~2C 3.1×2.0mm	用戶迴路引進屋內用 Subscriber Line
自持型扁平光纜 Self-support flat optical cable	<0.4dB/km @1310nm <0.3dB/km @1550nm	1~2C 5.3×2.0mm	用戶迴路引進屋內用 Subscriber Line
複合光纜 Optical Fiber and Power Card Composite Cable	<0.4dB/km @1310nm <0.3dB/km @1550nm	6C~24C	有線電視系統用 CATV System
引接充膠光纜 Jelly Filled Drop Cable	<0.4dB/km @1310nm <0.3dB/km @1550nm	2C~12C	線路分歧引進用 Subscriber Line

電力用電線電纜

POWER CABLES

大同為我國最早產銷高壓 XLPE 電力電纜的領導廠家之一，與日本住友電氣工業株式會社技術合作，累積經驗最豐富，擁有各式自動設備，產製各種高低壓 XLPE 電力電纜、乙丙烯電力電纜、PE、PVC(無鉛) 電線電纜及匯流排槽等。產品大量供應台灣電力公司及軍、公、民營機關、事業使用，亦外銷世界各地。採用乾式加硫連續押出生產設備，能提升 XLPE 電纜的製造品質，並延長電纜使用壽命。

We are the leading manufacturer in the production and sales of high tension power cables in the R.O.C. with advanced technique and experience. Various high-tension include XLPE, EPR, PE and PVC (Lead Free) Insulated Power Cable and Bus Duct Distribution. Radical Cure Process Tripple C.C.V. line is invested to extend the lifetime of XLPE and promote the quality assurance of cables. Products are offered to Taiwan Power Co., domestic market and abroad.



名稱 /Product	型式 /Type	尺寸 /Size	用途說明 /Application
特高壓交連聚乙烯電纜 High Voltage Cross-Linked PE Insulated Cable	TPC, 69kV/161kV	200mm ² ~2000mm ²	高壓輸配電系統 High voltage transmission and distribution of electrical energy
交連聚乙烯電力電纜 (XLPE 電纜) Cross-Linked Polyethylene Insulated Power Cable	CNS, ICEA, TPC, JIS, IEC 600V~35kV 單心、多心 Single Core, Multiple Cores,	2.0mm ² ~325mm ²	架空及地下電力輸配電用 Power distribution on overhead and underground system
25kV 交連聚乙烯 電力電 纜 25kV Cross-linked PE Insulatd with PVC (Nylon) Sheathed Power Cable	TPC 25kV 單心 Single Core	AWG #1~1000MCM	地下電力輸配電用 Power distribution on underground system
耐候交連聚乙烯電力電纜 Weather Proof Vulcanized Polyethylene Insulated Power Cable	ICEA, TPC, 600V 單心 Single Core	2.0mm ² ~325mm ² AWG14~750MCM	屋外架空電力配電用 Power distribution on outdoor overhead system
鋁線、鋼芯鋁線耐候交連聚乙 烯電力電纜 Al or ACSR Conductor Weather Proof Vulcanized Polyethylene Insulated Power Cable	TPC, 15kV Al-OC, ACSR-OC	AWG 2, 477 MCM	屋外架空電力配線用 Power distribution on outdoor overhead system

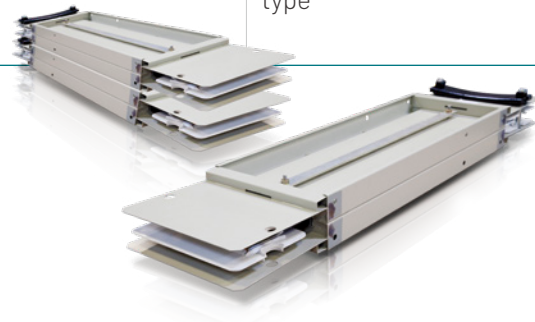
名稱 /Product	型式 /Type	尺寸 /Size	用途說明 /Application
軌道車用之難燃低煙無毒電纜 Low Smoke Free Halogen Flame Retardant Cable For Railway	參考 EN、JRIS 標準 Refer to EN、JRIS standard 600V、1500、 3300V	600V： 3.5mm ² ~100mm ² 1500V： 3.5mm ² ~100mm ² 3300V： 22mm ² ~150mm ²	地下鐵、捷運系統、高樓大廈、 電力及控制配線 Power and control distribution or subway, public transit and high-rise building
耐燃電力電纜 (PVC(無鉛) 或 低煙無毒外被) XLPE Insulated Mica tape Wrapped PVC (Lead Free) or LSHF Sheathed Fire- Resistant Cable	消防署耐燃認可基準 600V 單心、多心，3.3kV, 6.6kV 單心 600V Single Core、 Multiple Cores，3.3kV, 6.6kV Single Core, FR-CV, FR-CL	1.0mm Ø~2.6mm Ø 0.9mm ² ~500mm ²	大樓建築防火配電用，經消防署 認可 Fire-resistant distribution system or high building and public building, approved by Bureau of Fire Administration of our country
耐高溫 PVC(無鉛) 絕緣電線 Heat-Resistant PVC (Lead Free) Insulated Wire	CNS HIV	Solid drawing Wire 0.8mm Ø~2.6mm Ø Strand drawing Wire 0.9mm ² ~500mm ²	耐高熱建築室內配線、機器配 電用 Heat-resistant cable on building and equipment
耐熱電纜、PVC(無鉛) 或低煙 無毒外被 Heat-Resistant Cable with PVC (Lead Free) or LSNH Sheathed	消防署耐熱認可基準，JIS 單心、多心 Single Core, Multiple Cores	1.0mm Ø~2.6mm Ø 1.25mm ² ~22mm ²	大樓建築耐熱配線用 Heat-resistant distribution system for high building

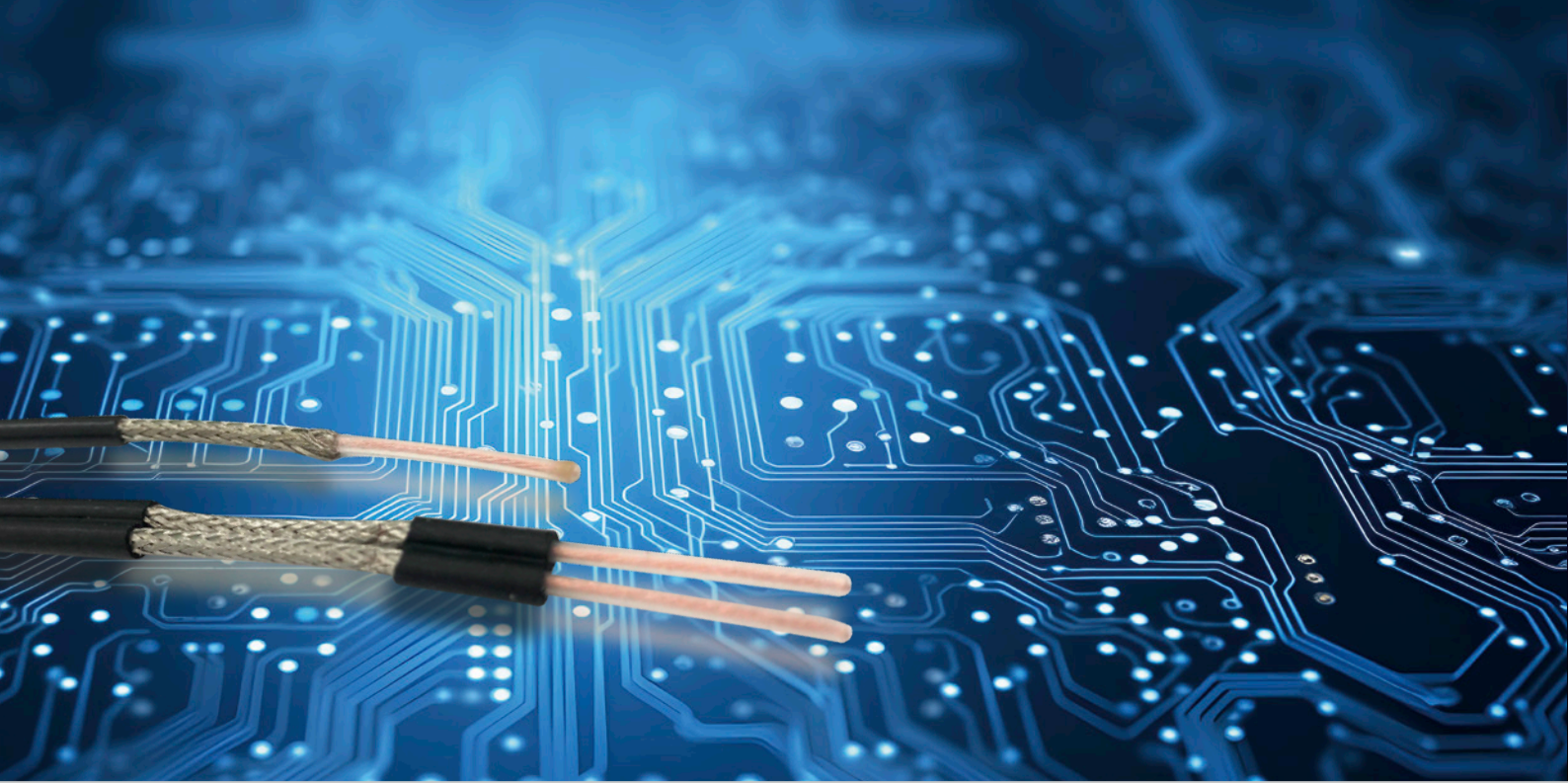


名稱 /Product	型式 /Type	尺寸 /Size	用途說明 /Application
PVC(無鉛)絕緣風雨線 Out-door Weather Proof PVC (Lead Free) Insulated Wire	TPC 600V 單心、多心 Single Core, Multiple Cores DV, OW Cable	2.0mm ² ~325mm	屋外架空電力配電用 Power distribution on outdoor overhead system
控制電纜 Control Cable	CNS, JIS, TPC, JCS 單心、 多心 Single Core, Multiple Cores CVV, CVS, CEV, CEE, CCV, CVVS, CEES, CEVS, CVVSB, CCE Cable	1.25mm ² ~100mm ²	各種操作控制、遮蔽控制回路用 線 Wiring for control and shield system
PE 絕緣電力電纜 Polyethylene Insulated Power Cable	JIS, ICEA 600V 單心、多心 Single Core, Multiple Cores EV Cable	2.0mm ² ~325mm ²	電力配電用電纜 Power distribution cable
乙丙烯橡膠電力電纜 (EPR 電 纜) Ethylene Propylene Rubber Insulated Power Cable	ICEA, 600V~15kV 單心、多 心 Single Core, Multiple Cores EPR Cable Non- Class IE	2.0mm ² ~325mm	核能發電廠、火力發電廠、電爐、 高溫馬達動力配電及機器配電用 Power distribution on nuclear or fuel power plant, oven, motor and equipment

名稱 /Product	型式 /Type	尺寸 /Size	用途說明 /Application
橡膠絕緣可撓式電纜 Rubber Insulated flexible Cable	JIS, CNS 600V, 2PNCT Cable	2~100mm ²	礦場電焊接機、安全燈等用線 Flexible cable on mineral area welding equipment
引出用橡膠絕緣電線 Insulated Lead Wire for Electric Apparatus	CNS, JIS LN(600V), LP(600V), LHH(600V), LPN(600V, 3.3kV, 6.6kV) LPH(600V, 3.3kV, 6.6kV) 單 心 Single Core	LN, LH : 2.0mm ² ~100mm ² LP, LPN, LPH : 2.0mm ² ~325mm ²	馬達等電氣設備配線用 Wiring for motor and equipment

名稱 /Product	型式 /Type	尺寸 /Size	用途說明 /Application
匯流排配電系統 Bus Duct Distribution System	CNS, JIS, IEC H-P 型、 BKS 型及 T2 耐火型 H-P type、BKS type and T2 type	600A~5000A	智慧型大樓、工廠、醫院等提供 大電流配電系統 High capacity power (including fire resistance) transmission system on high rise building and large-scale industrial plant





電子線

ELECTRONIC WIRES

本公司擁有最新式全自動精密設備，與日本大昌電氣工業株式會社技術合作，生產各種高品質電子線低鉛無鎘、環保電子線等，現有數十種電子線產品榮獲 UL、CSA 認可，深受國內外電子業、資訊業的歡迎、採用。

Our products including Electronic Wires are widely used in the electronic and computer industry. We concluded technical cooperation with Taisho Electric Co. of Japan. All of our electronic wires obtained the approval of UL in U.S., CSA in Canada.

名稱 /Product	型式 /Type	尺寸 /Size	用途說明 /Application
聚氯乙稀塑膠絕緣連接線 PVC Insulated Hook-up Wire	UL Style 1007, 1015, 1032, 1571	UL Subject 758	電氣、電子機器之內部配線 Internal wiring of electric, electronic machines
同軸電纜 Coaxial Cable	UL Style 1107, 1354, 1792, 2092, 2552, 2674	UL Subject 758	電氣、電子機器之內部配線 Internal wiring of electric, electronic equipments.
CNS/JIS 同軸電纜 Coaxial Cable	1.5D-2V, 3C-2V, 3C-2W, 3C-2WS, 3D-2V, 5C-2V, 5C-2VS, 7C-2V, 10D-2V	CNS, JIS	Radio-Frequency 設備所用之饋線或中間連接用線 Used as connection, internal wiring, or feeder of RF apparatus
MIL 規格同軸電纜 Coaxial Cable	RG-8/U, RG-11/U, RG-58/U, RG-59/U, RG-62/U, RG-174/U	MIL	1. 音頻及視訊信號傳輸線 2. Radio-Frequency 設備連接用線 Used as connecting audio, video, and RF apparatus.

網路線

LAN CABLE



規範符合 ANSI/TIA-568.2-D, ISO 11801 EN 50173, IEC 61156-5, 60332-1，用於區域電腦網路上之數位資訊傳輸。
Compliance with ANSI/TIA-568.2-D, ISO 11801 EN 50173, IEC 61156-5, 60332-1. Connecting media of local area network used for data transmission.

名稱 /Product	種類 /Category	型式 /Type	產品圖 /Product View
區域網路用電纜 LAN Cable	5E	U/UTP	
	5E	F/UTP	
	5E	SF/UTP	
	6 (Solid)	U/UTP	
	6 (Stranded)	U/UTP	
	6A	F/UTP	
	7	S/FTP	



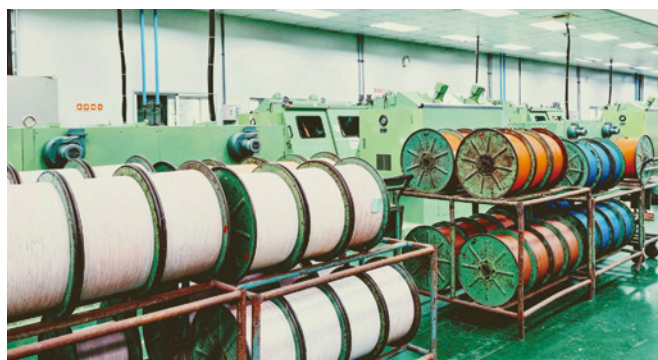
製造設備

MANUFACTURING EQUIPMENT

XLPE 電纜 絞線製程 Stranded Line for XLPE Cable



網路線生產 Production of Lan Cable



品質保證

QUALITY CERTIFICATION



本公司各種電線電纜產品先後榮獲多項優良品質保證標誌及 ISO-9001 認證通過。

TATUNG's wire and cable products have been awarded Various Q.A. marks and assessed to ISO-9001 quality management system.

ISO 9001 ISO14001 ISO45001 ISO50001

品質管制作業概況

Overview of Quality Control Operations

- 進料：使用精密測試儀器，依照抽樣計畫標準實施材料檢驗，嚴格要求材料品質。
- 製程：設計完美之製造過程，注重生產技術，控制品質，設有良好品質回饋(feed-back)系統，早期徹底消除不良品。
- 成品：依照 CNS、JIS、ICEA、NEMA、ASTM、AEIC、BS、TPC、UL 等標準，嚴格實施成品出廠檢驗，保證品質。
- 品質保證：嚴格實施售後服務工作，厲行品質保證及使用技術指導，保證使用年限。
- Raw Material Incoming Inspection: We have established quality assurance system and stipulated quality control items such as.
- Manufacture Process Control: Manufacture process is well-designed and supplemented with an effective feedback system function to eliminate any possible defect before the production is completed.
- Final Inspection: Final inspection is executed according to the specification of UL, CNS, IEC, JIS, ICEA, NEMA, ASTM, AEIC, BS, TPC and / or customers.
- Quality Assurance: We implement after-sale Quality assurance, execute the service of Quality assurance as well as user's technical guide and promise the life expectancy.





CONNECTING THE FUTURE