



High Speed Cable Solutions

高速線材解決方案

About Wonderful Hi-Tech

關於萬泰科技

萬泰科技股份有限公司 (股票代號:6190) 成立於1978年,是台灣線材產業的領導品牌,專注於高品質線材的研發與製造。公司在台灣、中國、泰國及越南設有生產基地,並於美國設有辦公室,致力於為全球客戶提供優質產品與即時服務。

萬泰科技擁有專業研發中心,專注技術創新與產品開發,確保產品符合市場需求並保持競爭優勢。此外,公司提供專業技術支援,協助客戶解決技術問題並優化應用方案。產品涵蓋网通、消費電子、汽車及工業應用領域,並與國際知名品牌合作,提供客製化解決方案,以滿足市場多元需求。公司通過 UL、CPR、ISO 等國際認證,確保產品符合全球標準與品質要求。

秉持「品質第一、創新驅動、客戶至上」的理念,萬泰科技致力於提供最具競爭力的產品與服務,不斷創造卓越價值,成為全球線材產業的標竿企業。

Wonderful Hi-Tech Co., Ltd., founded in 1978, is a leading brand in Taiwan's wire and cable industry. With production facilities in Taiwan, China, Thailand, and Vietnam, and an office in the U.S., we provide high-quality cables and responsive service to customers worldwide.

Our dedicated R&D center drives innovation, ensuring products meet market demands while maintaining a competitive edge. We offer expert technical support and customized solutions across network communications, consumer electronics, automotive, and industrial sectors. Certified by UL, CPR, and ISO, we uphold global quality standards. Guided by "Quality First, Innovation-Driven, Customer-Centric," we strive to deliver superior products and create exceptional value in the global wire and cable industry.



Electrical



Home Appliances



Datacom



Data Center



Green Energy



Industrial

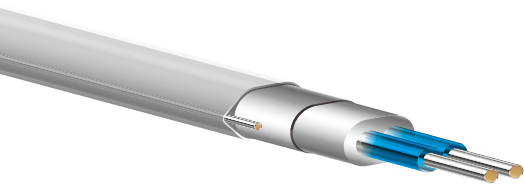


Automobile



MedTech

PCIe 5.0



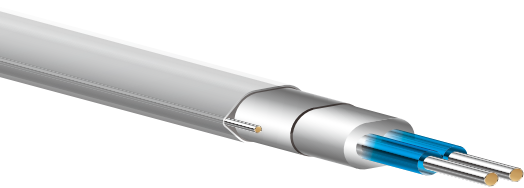
產品特色 Product Feature

- Sweep frequency up to 16GHz ~ 24GHz and without suck out up to 40GHz
- Temp. and Voltage: 80°C / 30V ~ 105°C / 30V
- Intra pair skew: <3ps / <4ps / <7ps
- Impedance tolerance: ±1ohm / ±2ohm / ±4ohm
- Drain Angle: < ±8 / < ±12 degree
- Insertion Loss Deviation: ±1.5@0~24GHz

線規 AWG : 30 AWG

等級 Level	介質 Insulation	屏蔽 Shield	尺寸 (mm) Size Reference	損耗 (dB/m) Insertion loss @16GHz	阻抗 Ω Impedance
High Loss	FEP	Aluminum	0.90 X 1.93	6.6	85
Middle Loss	FEP + PTFE	Aluminum	0.87 X 1.70	5.8	85
Low Loss	FEP + EPTFE	Aluminum	1.00 X 1.78	5.2	85
Low Loss	FEP + FEP	Aluminum	1.07 X 1.88	5.2	85
Ultra Low Loss	FEP + FEP	Copper Alloy	1.12 X 1.63	4.9	85

PCIe 6.0



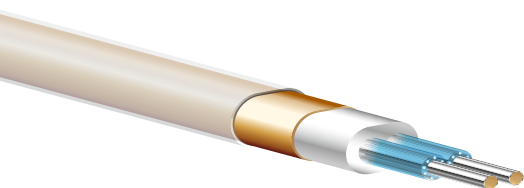
產品特色 Product Feature

- Sweep frequency up to 16GHz ~ 24GHz and without suck out up to 40GHz
- Temp. and Voltage: 80°C / 30V ~ 105°C / 30V
- Intra pair skew: <3ps / <4ps / <7ps
- Impedance tolerance: ±1ohm / ±2ohm / ±4ohm
- Drain Angle: < ±8 / < ±12 degree
- Insertion Loss Deviation: ±1.5@0~24GHz

線規 AWG : 30 AWG

等級 Level	介質 Insulation	屏蔽 Shield	尺寸 (mm) Size Reference	損耗 (dB/m) Insertion loss @16GHz	阻抗 Ω Impedance
Low Loss	FEP + EPTFE	Aluminum	1.00 X 1.78	5.2	85
Low Loss	FEP + FEP	Aluminum	1.07 X 1.88	5.2	88
Ultra Low Loss	FEP + FEP	Copper Alloy	1.12 X 1.63	4.9	88
Super Ultra Low Loss	Perforated FEP + FEP	Copper Alloy	0.96 X 1.82	4.8	85

PCIe 7.0



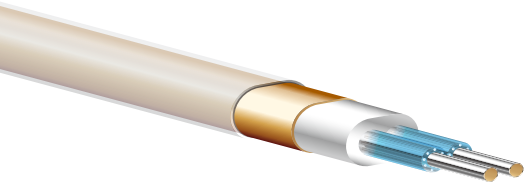
產品特色 Product Feature

- Sweep frequency up to 32GHz, and without suck out up to 48GHz
- Temp. and Voltage: 80°C / 30V ~ 105°C / 30V
- Intra pair skew: <2.5ps / <3ps
- Impedance tolerance: ±1ohm / ±2ohm
- Insertion Loss Deviation: ±1.5

線規 AWG : 30 AWG

等級 Level	介質 Insulation	屏蔽 Shield	尺寸 (mm) Size Reference	損耗 (dB/m) Insertion loss @32GHz	阻抗 Ω Impedance
Ultra Low Loss	FEP + FEP	Copper Alloy	1.12 X 1.63	8.0	88
Super Ultra Low Loss	Perforated FEP + FEP	Copper Alloy	0.96 X 1.63	7.5	85

28G NRZ 56G/112G PAM4



產品特色 Product Feature

- ◎ Sweep frequency up to 12.89/26.56 GHz and without suck out up to 40GHz
- ◎ Temp. and Voltage: 80°C / 30V ~ 105°C / 30V
- ◎ Intra pair skew: <3ps / <7ps / <10ps
- ◎ Impedance tolerance: ±1ohm / ±2ohm / ±5ohm
- ◎ Insertion Loss Deviation: ±1.0@0~40GHz

線規 AWG : 30 AWG

等級 Level	介質 Insulation	屏蔽 Shield	尺寸 (mm) Size Reference	損耗 (dB/m) Insertion loss @12.89 / 26.56GHz	阻抗 Ω Impedance
28G	Low Loss	FEP + FEP	Aluminum	1.14 X 2.00	4.3@12.89
56G					100
112G					6.8@26.56

Application



- ◎ Data center and AI server
- ◎ Front I/O to ASIC, ASIC to ASIC, ASIC to Backplane



Standards

- ◎ UL Style 20744 / 21940 / 22431 / 22082
- ◎ UL 758
- ◎ Flame Test: VW-1/FT2



AI 科技持續突破，需要更快、更強的連接線材，萬泰高速線材可應用在資料中心、雲端運算等多元場景。我們透過嚴謹的測試與精密技術，以低損、超穩定的高性能線材，為全球客戶提供高速線解決方案，提升您的AI競爭力。

AI technology is evolving rapidly, demanding faster, more powerful connectivity. Wonderful Hi-Tech's high-speed cables support data centers, cloud computing, and more.

With rigorous testing and precision engineering, we deliver low-loss, ultra-stable cables for reliable high-speed connections, empowering customers to stay ahead in AI.

Wonderful Hi-Tech Global Footprints

萬泰科技全球據點



Headquarters

Wonderful Hi-Tech Co., Ltd. (TAIWAN)

Located: New Taipei City, Taiwan

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New Taipei City 24891, Taiwan, R.O.C.

OTC code: 6190

Tel: 886-2-2298-8033 / Fax: 886-2-2298-8031

E-mail: sales@wontex.com.tw

Web: www.wontex.com

Main Product: LAN Cable, RF Coaxial Cable, Hook Up Wire

Factory

● WONDERFUL PHOTOELECTRICITY CO., LTD. (DONG GUAN)

Located: Dongguan, China

TEL: 86-769-8862-0666 / FAX: 86-769-8862-7085

Web: www.wonderful-wire.com.cn

Main Product: Power Cable, Hook Up Wire, Computer Cable, Flat Ribbon Cable, LAN Cable

● THAI WONDERFUL WIRE CABLE CO., LTD. (THAILAND)

Located: Chonburi, Thailand

TEL: 66-3845-2433~7 / FAX: 66-2361-8681~5

Web: www.thaiwonderful.com

Main Product: High Speed Cable, Hook Up Wire, Power Cable, Power Cord

● WONDERFUL WIRE & CABLE CO., LTD (VIETNAM)

Located: Hai Duong Province, Vietnam

TEL: 84-2203-555-588 / FAX: 84-2203-555-599

Web: www.vwt-wonderful.com

Main Product: LAN Cable, Hook Up Wire, AV Wire, and PVC Cable

● ABA INDUSTRY INC. (U.S.A)

Located: Los Angeles, USA

TEL: 1-310-327-7670 / FAX: 1-310-808-0778

Web: www.aba-cable.com

Main Product: LAN Cable, Hook Up Wire, RF Coaxial Cable, Network Accessories



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