FEICHUN CABLES

安徽飛純特種電纜有限公司

600V 2PNCT Rubber-Insulated CR-Sheathed Flexible Cable — Technical Datasheet & Quotation

600V 2PNCT 橡膠絕緣氯丁橡膠護套軟電纜 — 技術規格書暨報價單

Manufactured to JIS C 3327 / 依據日本 JIS C 3327 標準製造 · Full replacement for MITSUBOSHI 2PNCT / 可完全替代三星線纜 2PNCT，性能媲美原廠

JIS C 3327 | 600 V | EPR + CR | Class 6 Flexible | EXW / 出廠價

MOQ 2,000 m

Datasheet No.: FC-TDS-2PNCT-2026-A7F3 Quotation No.: FC-QTN-20260819-HTC1

Rev. 00 · 19 August 2026 Prepared for / 客戶: HT Computers Co., Ltd. (Taichung, Taiwan)

1. Scope & Enquiry Reference

適用範圍與詢價依據

This document covers three (3) types of 600 V rubber-insulated, chloroprene-rubber (CR) sheathed flexible cables of type **2PNCT**, offered by Anhui FeiChun Special Cable Co., Ltd. as a full technical and commercial equivalent to MITSUBOSHI 2PNCT construction, manufactured and tested to **JIS C 3327 (Rubber insulated cabtyre cables)**.

本文件涵蓋安徽飛純特種電纜有限公司提供之三款 600 V 橡膠絕緣、氯丁橡膠（CR）護套軟電纜（型號 **2PNCT**），為 MITSUBOSHI（三星線纜）2PNCT 結構之技術與商務同等品，依 **JIS C 3327（橡膠絕緣移動用電纜）** 製造與試驗。

Table 1 — Enquiry items / 詢價項目對照

Item	Description / 型號規格	Reference Type / 原廠型號	Standard / 標準	Enquired Qty / 詢價量
1	600V 2PNCT 4 × 2.0 mm² (4X2SQ)	MITSUBOSHI 2PNCT 4X2SQ-100	JIS C 3327	100 m
2	600V 2PNCT 2 × 2.0 mm² (2X2SQ)	MITSUBOSHI 2PNCT 2X2SQ-100	JIS C 3327	100 m
3	600V 2PNCT 3 × 1.25 mm² (3X1.25SQ)	MITSUBOSHI 2PNCT 3X1.25SQ-100	JIS C 3327	100 m

Minimum order quantity / 最低訂購量： FeiChun's production MOQ for this construction is **2,000 m per size** (continuous rubber vulcanising line set-up). The enquired 100 m per size is below MOQ; the pricing in Section 7 is therefore quoted on the basis of 2,000 m per size.
飛純本結構之生產最低訂購量為 **每一規格 2,000 公尺**（連續硫化生產線開機條件所致）。貴司詢價之每規格 100 公尺低於 MOQ，故第 7 節報價係以每規格 2,000 公尺為基礎計算。

Equivalence statement / 同等品聲明： FeiChun's 2PNCT is built to the same construction, materials and dimensional table as the referenced original-brand product, and is tested to the identical JIS C 3327 requirements — conductor Class 6, EP-rubber insulation, 2nd-class chloroprene sheath, 600 V rating, 2,000 V/1 min voltage test. It is offered as a **full form-fit-function replacement** for MITSUBOSHI 2PNCT in the same applications, with performance matching the original brand across all standard test items in Section 4. Customers are invited to verify by free sample and by our batch works test certificate before placing a full order.
飛純 2PNCT 採用與原廠產品相同之結構、材料與尺寸表，並依同一 JIS C 3327 要求進行試驗（第 6 種柔軟導體、乙丙橡膠絕緣、二種氯丁護套、600 V 額定、2,000 V / 1 分鐘耐壓），可於相同應用中 **完全替代 MITSUBOSHI 2PNCT**，第 4 節所列各項標準試驗性能均可媲美原廠品牌。歡迎貴司先以免費樣品及本公司每批出廠試驗報告進行驗證後再行下單。

2. Cable Construction

電纜結構

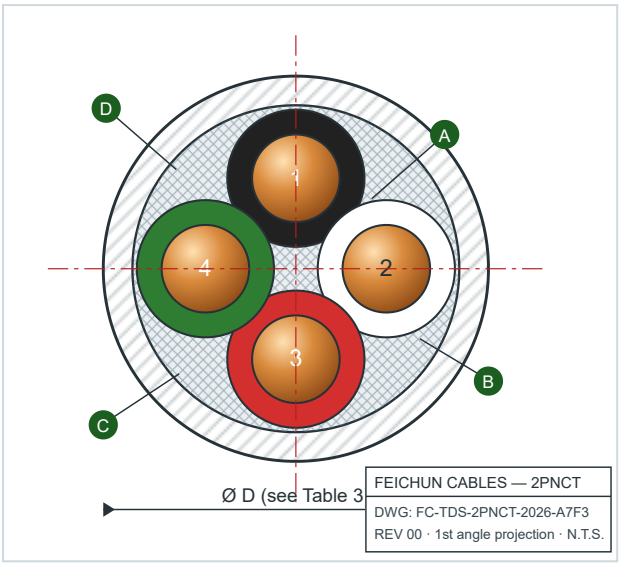


Table 2 — Element legend / 結構元件對照（圖示為 4 芯）

Pos.	Element / 元件	Material / 材質
A	Conductor / 導體	Annealed bare copper, stranded Class 6 (JIS C 3102) / 退火裸銅絞線，第 6 種柔軟結構
B	Insulation / 絕緣	Ethylene-propylene rubber (EP rubber) / 乙丙橡膠
C	Filler & binder / 填充與包帶	Non-hygroscopic rubber/PP fillers + rubberised tape / 非吸濕性填充 + 橡膠包帶
D	Sheath / 護套	Chloroprene rubber (CR, 2nd class) black / 氯丁橡膠護套，黑色

Core identification per JIS: 2C = black/white; 3C = black/white/red; 4C = black/white/red/green. Cores laid up with suitable pitch for repeated flexing.
芯線識別依 JIS：2 芯 黑/白；3 芯 黑/白/紅；4 芯 黑/白/紅/綠。絞合節距依反覆彎曲需求設計。

3. Dimensions & Electrical Data

尺寸與電氣參數

Table 3 — Per JIS C 3327 nominal values / 依 JIS C 3327 之標稱值（±5% 製造公差）

Item	Size / 規格	Conductor / 導體 (No./mm)	Insul. thk. 絕緣厚 (mm)	Sheath thk. 護套厚 (mm)	Approx. OD 外徑 (mm)	Approx. weight 參考重量 (kg/km)	Cond. resistance 20°C 導體電阻 (Ω/km)	Current rating* 載流量 (A)
1	4 × 2.0 mm²	37/0.26	1.0	1.8	14.5	315	≤ 9.42	23
2	2 × 2.0 mm²	37/0.26	1.0	1.5	11.0	175	≤ 9.42	26
3	3 × 1.25 mm²	50/0.18	1.0	1.5	11.5	180	≤ 15.0	19

* Current ratings are reference values for free-air installation at 30 °C ambient and must be de-rated for grouping, coiling on a drum, or higher ambient temperature. Final dimensions are confirmed on the approved first-article sample.

* 載流量為 30 °C 環境、空氣中敷設之參考值，成束、盤繞或高溫環境須折減。最終尺寸以首件樣品確認為準。

Ratings / 額定

Rated voltage 600 V AC · Test voltage 2,000 V/1 min (water immersion) · Insulation resistance ≥ 50 MΩ·km · Max. conductor temperature 60 °C continuous.

額定電壓 600 V AC；耐壓 2,000 V / 1 分鐘（水中）；絕緣電阻 ≥ 50 MΩ·km；導體長期工作溫度 60 °C。

Flexibility / 柔性

Minimum bending radius: 6 × OD (fixed), 8 × OD (repeated flexing). Ambient range −25 °C to +60 °C; suitable for portable tools, welding sets, stage/event power, marine and shipyard use.

最小彎曲半徑：固定敷設 6×外徑；反覆移動 8×外徑。使用溫度 −25 ~ +60 °C；適用於移動式機具、焊接設備、舞台/活動供電、船廠與港區。

Sheath performance / 護套性能

CR sheath: oil resistant, flame retardant, weather & ozone resistant, abrasion resistant. Tensile strength ≥ 9.8 MPa, elongation ≥ 300%.
氯丁護套：耐油、阻燃、耐候耐臭氧、耐磨。抗張強度 ≥ 9.8 MPa，斷裂伸長率 ≥ 300%。

Marking / 印字

Default: *FEICHUN 2PNCT 600V 4×2.0mm² JIS C 3327 <year> <metre marking>*. Neutral or customer-branded printing available at no extra charge for the MOQ shown.
預設印字如左；可提供中性或客戶品牌印字，於本 MOQ 條件下不另收費。

4. Routine & Type Tests
例行與型式試驗

Test / 試驗項目	Method / 方法	Requirement / 判定	Frequency / 頻次
Conductor resistance / 導體電阻	JIS C 3005	Per Table 3 / 符合表 3	Every drum / 每盤
Voltage test / 耐壓	JIS C 3005	2,000 V, 1 min, no breakdown / 不擊穿	Every drum / 每盤
Insulation resistance / 絕緣電阻	JIS C 3005	≥ 50 MΩ·km	Every drum / 每盤
Insulation & sheath tensile / 絕緣及護套拉力	JIS C 3005	Per JIS C 3327 / 符合標準	Type / 型式
Heat ageing / 熱老化	JIS C 3005	Retention ≥ 80% / 保持率 ≥ 80%	Type / 型式
Flame propagation / 燃燒	JIS C 3005	Self-extinguishing / 自熄	Type / 型式
Dimensional check / 尺寸檢查	JIS C 3327	Per Table 3 / 符合表 3	Every drum / 每盤

A FeiChun works test certificate (EN 10204 3.1 equivalent) is issued for each production batch and shipped with the documents. / 每一生產批次隨附飛純出廠試驗報告（等同 EN 10204 3.1），隨單證交付。

5. Commercial Quotation
商務報價

Prices below are quoted in USD, converted from our RMB works pricing at an indicative rate of 1 USD = 7.15 RMB, on an **EXW (Ex-Works) basis** and for a minimum order quantity of 2,000 m per size. / 下列價格以美元報出，依 1 USD = 7.15 RMB 之參考匯率自人民幣廠價換算，報價基礎為 **EXW 出廠價**，並以每規格最低訂購量 2,000 公尺計算。

Table 4 — Quotation FC-QTN-20260819-HTC1 · EXW Hefei Works (Ex-Works 出廠價) · Incoterms® 2020 · MOQ 2,000 m per size

Item	Description / 品名規格	Qty (m) 數量	Unit price 單價 USD/m	Amount 金額 USD
1	600V 2PNCT 4 × 2.0 mm², JIS C 3327 (MITSUBOSHI 2PNCT 4X2SQ equiv.)	2,000	**2.10**	**4,200.00**
2	600V 2PNCT 2 × 2.0 mm², JIS C 3327 (MITSUBOSHI 2PNCT 2X2SQ equiv.)	2,000	**0.87**	**1,740.00**
3	600V 2PNCT 3 × 1.25 mm², JIS C 3327 (MITSUBOSHI 2PNCT 3X1.25SQ equiv.)	2,000	**1.07**	**2,140.00**
Total EXW Hefei Works / 出廠價總額		**6,000**	**—**	**8,080.00**

Copper price basis / 銅價基準： All prices are subject to fluctuation of the LME copper market and are re-confirmed at the time of order placement. / 所有價格隨 LME 銅價行情浮動，於正式下單時重新確認。

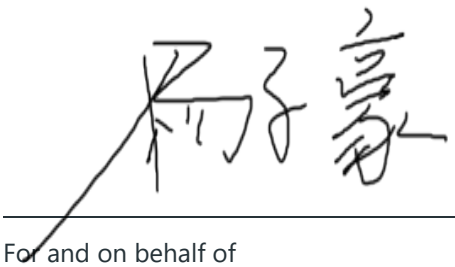
6. Terms & Conditions

飞纯电缆

交易條件

Trade term / 貿易條件	EXW Hefei Works (Ex-Works 出廠價), Incoterms® 2020. Export packing, inland haulage, customs clearance and ocean freight not included; FOB Shanghai / CFR / CIF Taichung or Keelung quoted on request. / 出廠價，不含出口包裝加固、內陸運輸、報關及海運費用；可另報 FOB 上海、CFR、CIF 台中或基隆。
Payment / 付款方式	T/T 50% with order as deposit, 50% balance against copy of B/L / 電匯：訂金 50%，餘款 50% 憑提單副本支付
Currency / 幣別	USD (USD/RMB rate re-confirmed at contract signing / 匯率於簽約時確認)
MOQ / 最低訂購量	2,000 m per size / 每規格 2,000 公尺
Lead time / 交期	20–25 working days after receipt of deposit and approved order confirmation / 收到訂金及確認訂單後 20–25 個工作天
Packing / 包裝	Wooden/plywood drum or coil in PE film + woven bag, standard length 100 m per coil (other cutting lengths available) / 木盤或圈裝（PE 膜 + 編織袋），標準每圈 100 m，可依需求分切
Tolerance / 長度公差	±2% on total ordered length / 總長度 ±2%
Documents / 單證	Commercial invoice, packing list, B/L, certificate of origin (Form E / CO), works test certificate / 商業發票、裝箱單、提單、原產地證（Form E 或一般 CO）、出廠試驗報告
Warranty / 品質保證	12 months from date of delivery against manufacturing defects / 自交貨日起 12 個月製造缺陷保固

安徽飞纯特种电缆有限公司
ANHUI FEICHUN SPECIAL CABLE CO., LTD.



For and on behalf of
Anhui FeiChun Special Cable Co., Ltd. / 安徽飛純特種電纜有限公司
Zihao Yang — Global Sales Manager

Accepted by / 客戶確認
HT Computers Co., Ltd.
Name & Company Chop / 簽名及公司章

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ANHUI FEICHUN SPECIAL CABLE CO., LTD. / 安徽飛純特種電纜有限公司

International Business Department / 國際業務部
Zihao Yang — Global Sales Manager
Email: zihao.yang@feichuncables.com | Tech@feichuncables.com | mining@feichuncables.com
WhatsApp / Mobile: +86 138 5512 3218
Web: www.feichuncables.com