FEICHUN CABLE | YXC7VY2V 20.3/35 kV | N2XSYR(AL)Y | 1 CORE | Cu / XLPE / Cu SCREEN / PVC | SINGLE ALUMINIUM WIRE ARMOUR | NATIONAL TSEK | IEC 60332-3 CAT. C

Feichun YXC7VY2V 20.3/35 kV — Single-Core XLPE Copper Cable with Round Aluminium Wire Armour

A full-English engineering guide to the supplied YXC7VY2V 20.3/35 kV record and its printed international designation N2XSYR(AL)Y. The article keeps the national title, product construction, official 1x240/25 mm² row, source dates and project-level calculation boundaries distinct.

Uo/U: 20.3 / 35 kV | 240 mm² conductor | 25 mm² copper screen | 53.0 mm nominal OD | 4710 kg/km | 12 (xD) laying factor | -20 ... 90 °C | 90 °C service / 250 °C fault

Voltage class
20.3/35 kV
Uo/U notation supplied by the source.

Product row
1x240/25 mm²
240 mm² copper conductor with 25 mm² copper screen.

Armour
SINGLE AL WIRES
Single layer of round aluminium wires under PVC protection.

Published matrix
53.0 mm / 4710 kg/km
Official product-page dimensions and mass for ref. 10563489.

Contents

1. Engineering position
2. Designation and construction logic
3. Standard and evidence review
4. Complete source specification
5. Technical matrix
6. Published-data limitations
7. Derived installation checks
8. Layer-by-layer cross-section
9. Electrical, screen and armour system
10. Thermal, voltage-drop and short-circuit design
11. Fire and PVC performance boundary
12. Fixed-route applications
13. Handling and termination
14. Selection comparison
15. Failure mode analysis
16. Feichun certification scope
17. Source and revision audit

1. Engineering position: a high-voltage single-core armoured cable with explicit data boundaries

YXC7VY2V 20.3/35 kV is presented in the supplied record as a single-core XLPE-insulated armoured copper-conductor cable. The same official product PDF prints **N2XSYR(AL)Y** as the international designation. The construction is copper conductor, semiconducting XLPE conductor screen, XLPE insulation, semiconducting XLPE insulation screen, crape tape, concentric copper screen, PVC separation sheath, single-layer round aluminium wire armour and PVC outer sheath.

Voltage platform
20.3/35 kV Uo/U is a high-voltage distribution class. Insulation coordination, test voltage, terminations and joints must be released for the exact project system.

Single-core platform
The product row is one 240 mm² cable with one copper screen and one aluminium-wire armour layer. A three-phase circuit arrangement is not the same thing as a three-core cable.

Mechanical platform
Round aluminium wires provide armour against route handling and mechanical exposure. Armour bonding, cleats, pulling loads and minimum-radius instructions remain installation controls.

Evidence platform
The article separates user-supplied family values, official product dimensions and route calculations. A dash is retained as a dash rather than being replaced with a value from another family.

Engineering boundary: the 12 (xD) value is a laying factor. It does not establish continuous reeling, festoon, drag-chain, torsional or repeated-flex service. The supplied source lists National TSEK; this article does not create an unprovided IEC conformity claim.

2. Designation and construction logic

Designation / field	Engineering reading	Design consequence	Evidence status
YXC7VY2V	National product title shown by the supplied family record.	Keep this title in the purchase schedule and match it to the exact 1x240/25 mm² product row.	Supplied / official family record
N2XSYR(AL)Y	International designation printed in the official product PDF.	Use the printed designation as a document cross-reference; do not infer additional letter meanings beyond the controlled construction.	Official product PDF
20.3/35 kV	Rated voltage class; the source also prints 20,3/35 kV with a comma.	Use one consistent notation in the project schedule and accessory selection.	Supplied / official record
1x240/25 mm²	One 240 mm² copper conductor and a 25 mm² copper screen.	Do not read 25 mm² as a second phase conductor or armour cross-section.	Official product row

Designation / field	Engineering reading	Design consequence	Evidence status
R(AL)	Construction record identifies round aluminium wire armour.	Check aluminium armour treatment, bonding, cleats and earth-fault assumptions separately.	Construction-based reading

Electric-field sequence
Conductor screen, XLPE insulation and insulation screen form the radial dielectric system. The copper metallic screen provides the external reference and bonding interface.

Metallic screen sequence
The source states concentric copper wires plus copper tape and the official product row states 25 mm² screen section. The screen fault current remains a separate design input.

Mechanical sequence
PVC separation sheath isolates the screened core from the single layer of round aluminium wires. PVC outer sheath protects the armour and route interface.

Dimensional sequence
53.0 mm is the nominal outer diameter; 18.3 mm is the conductor diameter; 8.5 mm and 2.7 mm are the published insulation and outer-sheath thicknesses.

3. Standard and evidence review

Reference	Role in this article	Engineering interpretation	Boundary
National TSEK	Standard printed by the supplied and official family record.	Use the released TSEK certificate, edition and test file for the ordered product.	No edition or certificate number is supplied here.
IEC 60332-3 Cat. C	Flame-retardant reference listed by the source.	IEC 60332-3-24:2018 describes Category C vertical flame-spread testing for vertically mounted bunched wires or cables.	The product source gives the standard number without an edition; do not turn it into a CPR class.
IEC 60502-2	Related engineering reference only.	The IEC publication covers extruded-insulation cables from 6 kV up to 30 kV for fixed installations.	The YXC7VY2V source lists National TSEK, not IEC 60502-2; no IEC conformity is claimed.
PVC material system	PVC separation sheath and PVC outer sheath.	Review smoke, corrosive gas, halogen, fire stopping, oil and local building requirements using the actual product dossier.	No LSZH or halogen-free claim is supplied for this record.
Product evidence	Family PDF plus product-specific PDF/page.	Use the product-specific 1x240/25 mm² values for dimensions, screen section, DCR, ampacity and conductor fault duty.	Do not generalise the row to other sizes.

Standards discipline: the official IEC references linked below are used to explain engineering boundaries. They do not replace the supplied National TSEK designation or create a Feichun certificate.

4. Complete source specification

All user-provided fields are preserved below. Official product-page values are identified separately where they add a nominal diameter, mass, screen section, resistance, current rating or product identifier. Source dashes remain dashes.

Specification field	Reference value	Engineering interpretation	Evidence status
Family title	YXC7VY2V 20.3/35 kV	The national product title used by the supplied record and official family page.	Supplied / official family record
International designation	N2XSYR(AL)Y	The product PDF prints this as the international designation. It is retained separately from the YXC7VY2V title.	Official product PDF
Product description	20,3/35 kV XLPE insulated single core armoured cables with copper conductor	Single-core medium-voltage cable with a copper conductor, XLPE insulation, concentric copper screen, aluminium wire armour and PVC outer protection.	Supplied / official family PDF
Standard	National TSEK	The source lists National TSEK. Do not silently rewrite this product record as IEC 60502-2 without a matching conformity file.	Supplied / official family PDF
Application	These are cables with low dielectric losses used in energy network with sudden load changes. Laid in residental or industrial areas, underground or in ducts.	Fixed energy-network application in residential or industrial areas, underground routes or ducts; route conditions still require engineering review.	Supplied / official family PDF
Conductor material	Copper	The phase conductor is copper.	Supplied / official product page
Conductor flexibility	Class 2	Stranded Class 2 construction is stated in the source.	Supplied source
Type of conductor	Circular, stranded, class 2	The source identifies a circular stranded conductor; the official product page also labels it Circular stranded (RM).	Supplied / official product page
Number of cores	1	One single-core cable unit; a three-phase circuit may require three separately installed units according to the system design.	Supplied source
Conductor cross-section	240 mm²	The ordered family/product row is 1x240/25 mm²; the 25 mm² is the published metallic screen section, not a second phase conductor.	Supplied / official product PDF
Rated Voltage Uo/U (Um)	20.3 / 35 kV	Use the exact decimal notation in the project schedule. The source title also uses 20,3/35 kV comma notation.	Supplied source
Operating temperature, range	-20 ... 90 °C	Usage range stated by the source; ambient, installation, accessory and sheath limits remain project controls.	Supplied / official family PDF

Specification field	Reference value	Engineering interpretation	Evidence status
Short-circuit max. conductor temperature	250 °C	Use with I²t, protection clearing time, conductor area, screen design and accessory capability.	Official family PDF / product PDF
Bending factor when laying	12 (xD)	A laying factor, not a repeated-flex, reeling or energy-chain qualification.	Supplied source
Max. conductor temperature in service	90 °C	Continuous conductor-temperature limit stated in the source; route ampacity still depends on formation and environment.	Supplied source
Flame retardant	IEC 60332-3 Cat. C	The source gives a bunched-cable vertical flame-spread reference; it is not by itself a CPR class.	Supplied source
Conductor screen	Semi-conducting compound (XLPE)	Controls the electric-field transition at the copper conductor / XLPE interface.	Supplied source
Insulation	XLPE	Cross-linked polyethylene primary insulation for the stated voltage class.	Supplied source
Insulation screen	Semi-conducting compound (XLPE)	Controls the outer electric-field interface of the XLPE insulation.	Supplied source
Semi-conducting tape	Crape tape	The source wording is preserved; confirm the released material and dimensions in the controlled drawing.	Supplied source
Metallic screen	Concentric / Copper wires + copper tape	The official product row reports a 25 mm² screen section; bonding and fault duty still require a project earthing design.	Supplied / official product page
Separation sheath	PVC	Separates the copper-screened core from the aluminium wire armour.	Supplied source
Armour	Round aluminium wires	Single layer of aluminium wires provides mechanical protection around the separated cable core.	Supplied source
Armour type	Single layer of aluminium wires	The exact released wire diameter, lay, coverage, joints and bonding remain drawing-controlled.	Official family PDF / product page
Outer sheath	PVC	PVC external protection; the source does not provide a halogen-free or LSZH claim for this product record.	Supplied / official product page
Sheath colour	Red	Official product page characteristic.	Official product page / product PDF
Average insulation thickness	8.5 mm	Published dimensional characteristic.	Supplied source
Nominal outer sheath thickness	2.7 mm	Published dimensional characteristic.	Supplied source
Nominal outer diameter	53.0 mm	Use for installation planning and the clearly marked 12 x D screening calculation.	Official product page / product PDF
Conductor diameter	18.3 mm	Published product dimension; do not substitute it for the overall cable diameter.	Official product page / product PDF
Approximate weight	4710 kg/km	Use for drum, lifting, support and route-load planning; actual delivery mass remains product-controlled.	Official product page / product PDF
Screen section	25 mm²	Published copper-screen section for the 1x240/25 mm² row.	Official product page / product PDF
Max. DC resistance at 20 °C	0.0754 Ohm/km	Conductor resistance value for the specific 240 mm² product row.	Official product page / product PDF
Perm. current rating, buried 20 °C — flat	- A	A dash is retained exactly; do not replace it with the trefoil value.	Official product page / product PDF
Perm. current rating, buried 20 °C — trefoil	469 A	Published rating under the stated buried trefoil basis; not a universal ampacity.	Official product page / product PDF
Perm. current rating, air 30 °C — flat	641 A	Published rating under the stated air flat basis; formation, spacing and ambient must be confirmed.	Official product page / product PDF
Perm. current rating, air 30 °C — trefoil	- A	A dash is retained exactly; do not replace it with the air-flat value.	Official product page / product

Specification field	Reference value	Engineering interpretation	Evidence status
			PDF
Permissible short-circuit current, conductor 1 s	34.3 kA	Published conductor short-circuit value for the 240 mm² row.	Official product page / product PDF
Permissible short-circuit current, screen 1 s	- kA	Screen short-circuit duty is not numerically supplied in the product row; close it in the earthing/protection dossier.	Official product page / product PDF
Nexans reference	10563489	Product reference for YXC7VY2V 1x240/25 mm².	Official product page / product PDF
Country reference	TR	Product-page country reference.	Official product page / product PDF
EAN 13	8680969138826	Product identifier, not an electrical design value.	Official product page / product PDF
Packaging	Drum (1000 m)	Family page packaging field; final drum schedule must follow the confirmed ordered length.	Official family page
Delivery reel size for 1000 m	- cm	The official product page leaves this field as a dash; no reel dimensions are invented.	Official product page / product PDF
Product row name	YXC7VY2V 1x240/25mm2	Official product-row name for the 240 mm² conductor and 25 mm² screen.	Official product page / product PDF
Source record — page 1	Generated 8/4/26 — www.nexans.com.tr — Page 1 / 2	Preserved as supplied; the first page contains the family title, application and construction sequence.	Supplied / official source metadata
Source record — page 2	YXC7VY2V 20.3/35 kV — Generated 8/4/26 — www.nexans.com.tr — Page 2 / 2	Preserved as supplied; the second page contains the characteristics and product row.	Supplied / official source metadata
Source disclaimer	All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.	Dimensions, weights and technical particulars are treated as indicative until the controlled Feichun release is approved.	Supplied source disclaimer

5. Technical matrix — YXC7VY2V 1x240/25 mm²

The official product row is reproduced without changing its basis. The ratings are formation-specific: buried trefoil at 20 °C and air flat at 30 °C. The dashes for buried flat, air trefoil and screen 1 s fault current are intentionally retained.

Conductor cross-section	Nominal outer diameter	Approx. weight	Max. DC resistance at 20 °C	Screen section	Buried 20 °C — flat	Buried 20 °C — trefoil	Air 30 °C — flat	Air 30 °C — trefoil	Conductor short-circuit 1 s	Screen short-circuit 1 s	Product reference
240 mm²	53.0 mm	4710 kg/km	0.0754 Ohm/km	25 mm²	- A	469 A	641 A	- A	34.3 kA	- kA	10563489

The values above belong to the official 1x240/25 mm² product row. Final Feichun dimensions, mass, electrical values, installation ratings and accessory compatibility must be released for the ordered construction.

Published-data limitations and design closure

Required design input	Source state	Why it matters	Required Feichun release action
System voltage	20.3 / 35 kV	High-voltage accessory coordination, insulation testing and protection settings must match the ordered system.	Confirm project voltage withstand and accessory file.
Conductor selection	240 mm²	The supplied product row is fixed; no alternative cross-sections are inferred.	Release the exact Feichun size and conductor drawing.
Continuous current	469 A buried trefoil; 641 A air flat	These are basis-specific values, not universal ampacity. Buried-flat and air-trefoil fields are dashes.	Recalculate for soil, spacing, depth, ambient, grouping and bonding.
Bending control	12 (xD)	With 53.0 mm nominal outer diameter, 636.0 mm is an arithmetic screening radius; the controlled method statement governs.	Confirm drum, entry, roller and accessory radii.
Conductor fault duty	34.3 kA for 1 s	Protection clearing time and the actual I²t duty must be coordinated with the conductor and termination.	Verify protection and joint/termination capability.
Screen fault duty	- kA for 1 s	The screen section is 25 mm², but the product row does not publish a numerical screen short-circuit current.	Release screen bonding, earthing and I²t design.
Voltage drop	No product X/route length/load profile supplied	DCR alone does not close AC impedance, power factor, load profile or route voltage drop.	Calculate with the actual installation and operating point.
Dynamic service	Not stated	12 (xD) is a laying factor, not evidence for reeling, festoon, drag-chain or repeated-torsion service.	Use a qualified dynamic cable family for moving equipment.

Required design input	Source state	Why it matters	Required Feichun release action
Fire classification	IEC 60332-3 Cat. C only	Do not upgrade the record to Eca, Cca, B2ca or s/d/a qualifiers without a matching declaration.	Review the project fire strategy and current product report.

6. Derived installation checks

Product row	Published outer diameter	Calculation	Derived laying-radius screening value	Published mass	Derived mass per 100 m
240 mm²	12 × 53.0 mm	**636.0 mm**	4710 kg/km	**471.0 kg/100 m**	

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Laying-radius screening:
R_screen = 12 × D = 12 × 53.0 mm = 636.0 mm

Mass conversion:
4710 kg/km ÷ 10 = 471.0 kg/100 m

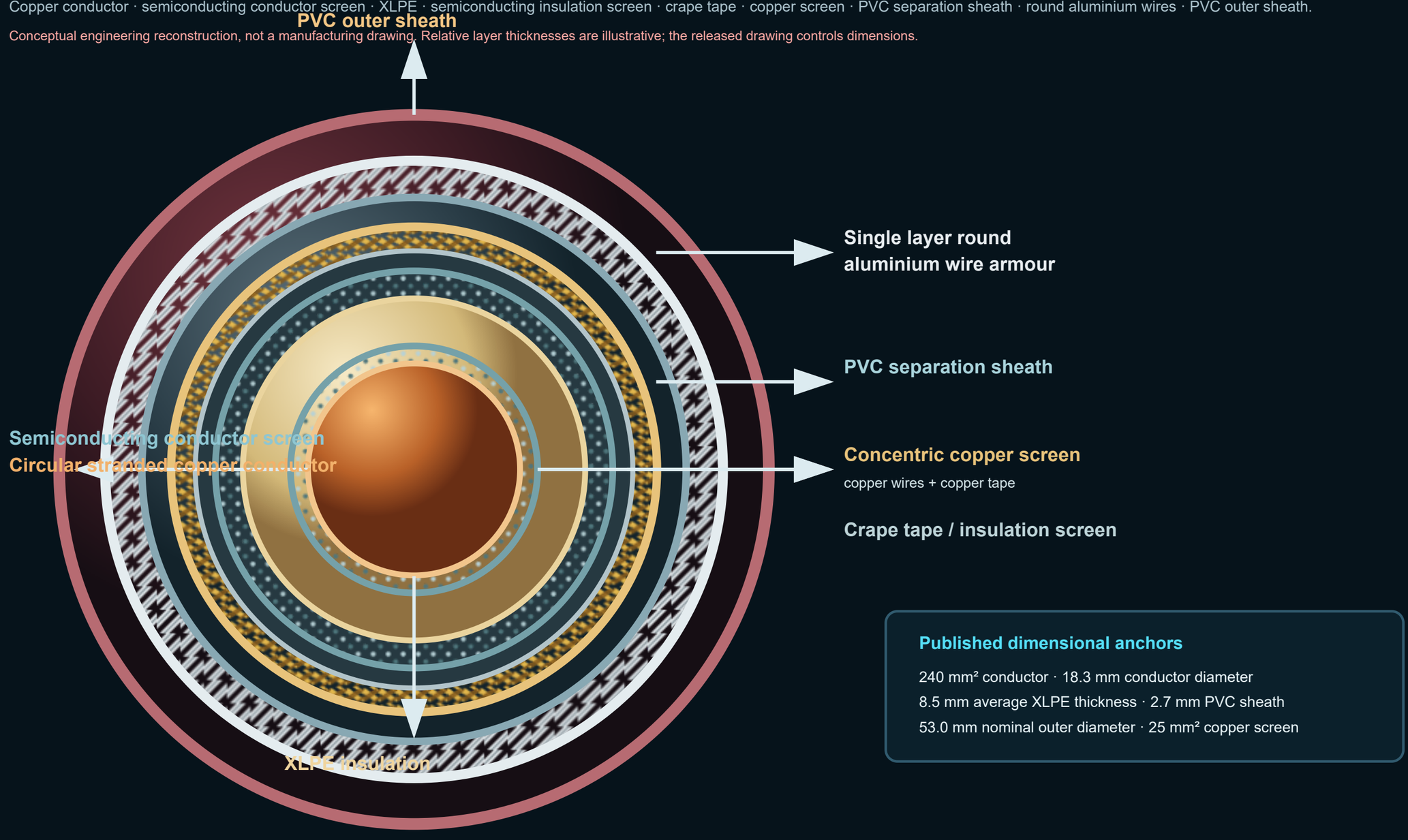
These are arithmetic screening values based on the published nominal outer diameter and approximate mass. They do not replace the controlled installation instruction, drum method statement, pulling calculation, sidewall-pressure check or accessory manufacturer limit.
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7. Layer-by-layer cross-section

YXC7VY2V 20.3/35 kV — single-core physical layer architecture

Copper conductor · semiconducting conductor screen · XLPE · semiconducting insulation screen · crape tape · copper screen · PVC separation sheath · round aluminium wires · PVC outer sheath.

Conceptual engineering reconstruction, not a manufacturing drawing. Relative layer thicknesses are illustrative; the released drawing controls dimensions.

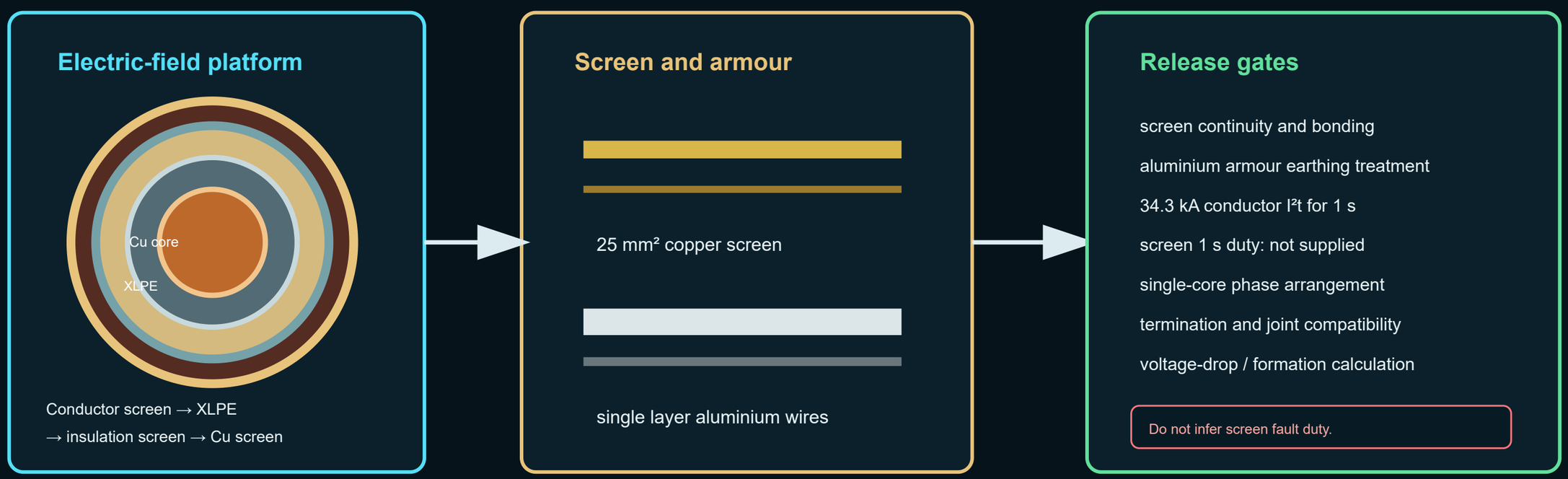


The diagram follows the supplied sequence. It is intentionally a single-core section: the three-phase system, if required, is assembled from separate single-core units and must not be represented as one three-core cable.

8. Electrical, screen and armour system

YXC7VY2V single-core system — electric field, screen and armour path

One cable unit is shown. A three-phase circuit arrangement, screen bonding and aluminium-armour treatment are project-level system decisions.



Conductor and insulation
The 240 mm² circular stranded copper conductor carries the phase current. The semiconducting conductor screen, XLPE and insulation screen maintain a controlled radial electric field.

Copper screen
The 25 mm² copper screen is a published dimensional value. Continuity, bonding, induced-current control and earth-fault duty require the project earthing design.

Aluminium armour
Round aluminium wires provide mechanical protection, but armour behaviour is not automatically equivalent to the copper screen or a dedicated protective conductor.

Single-core arrangement
For a three-phase circuit, phase spacing, trefoil/flat formation, bonding arrangement and permissible current must be calculated for the actual route.

9. Thermal, voltage-drop and short-circuit design

Current rating basis
The official row gives 469 A for buried trefoil at 20 °C and 641 A for air flat at 30 °C. The buried-flat and air-trefoil fields are dashes. These values cannot be copied to another formation.

Temperature boundary
90 °C is the stated maximum conductor temperature in service and 250 °C is the short-circuit maximum conductor temperature. Ambient, grouping, soil, sheath and accessory limits still apply.

Voltage drop
For a three-phase set of single-core cables, use the actual AC resistance, reactance, spacing, formation, power factor, load profile and route length. The supplied DCR is not a complete voltage-drop answer.

Fault duty
34.3 kA for conductor 1 s is published. Screen 1 s current is a dash, so screen bonding and fault-return coordination cannot be closed from the product row alone.

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Three-phase voltage-drop screening relation for a single-core phase set:
ΔU ≈ √3 × I × (R_ac × cos ϕ + X × sin ϕ) × L

Short-circuit coordination:
I²t_protection ≤ I²t_conductor / screen / armour / joint / termination system

Use the published 0.0754 Ohm/km DCR only as one input. Formation-specific AC impedance, temperature correction, screen/armour current paths and route conditions require project calculation.
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10. Fire and PVC performance boundary

IEC 60332-3 Cat. C
The source lists a Category C bunched-cable flame-spread reference. It is not a CPR Eca/Cca/B2ca declaration and does not establish fire resistance.

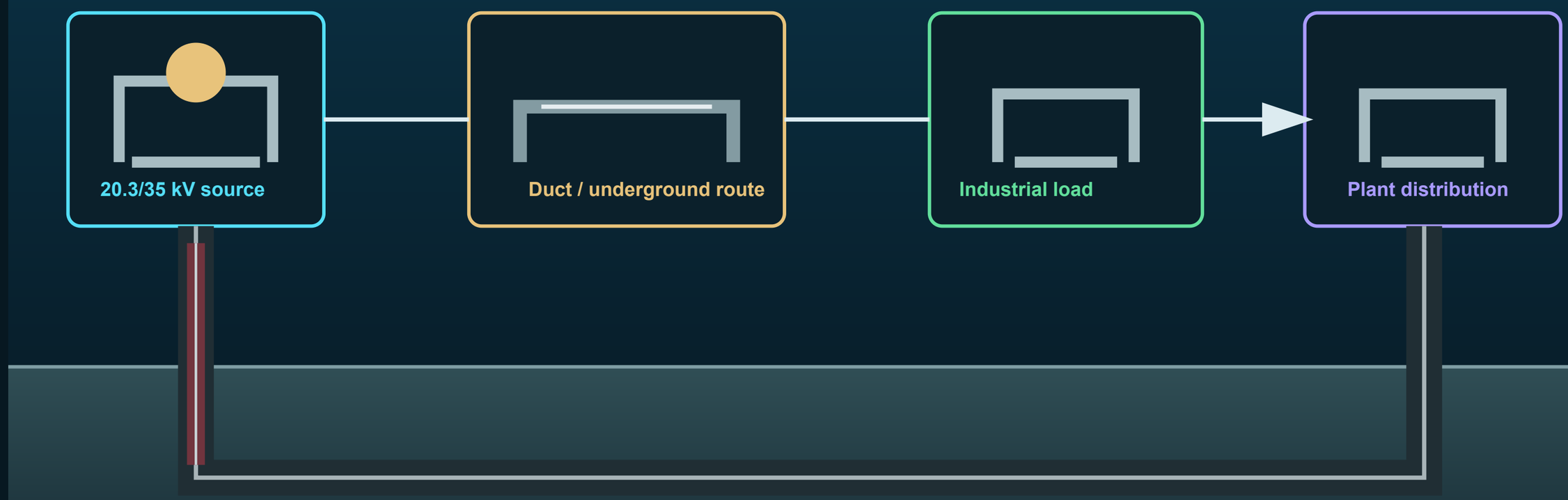
PVC sheath system
The construction lists PVC separation sheath and PVC outer sheath. No LSZH, halogen-free, smoke-density or corrosive-gas performance is added to this product record.

Project fire dossier
Confirm cable grouping, penetrations, barriers, supports, enclosures, ventilation, emergency access and local construction requirements.

Mechanical/fire trade-off
Aluminium wire armour with PVC has a different mechanical, electrical and fire profile from LSZH or steel-armoured constructions. Selection must follow the actual project priority.

Procurement rule: do not upgrade this record to Eca, Cca, B2ca, LSZH, halogen-free or any s/d/a qualifier without a current matching declaration and test report for the exact Feichun construction.

11. Fixed-route applications



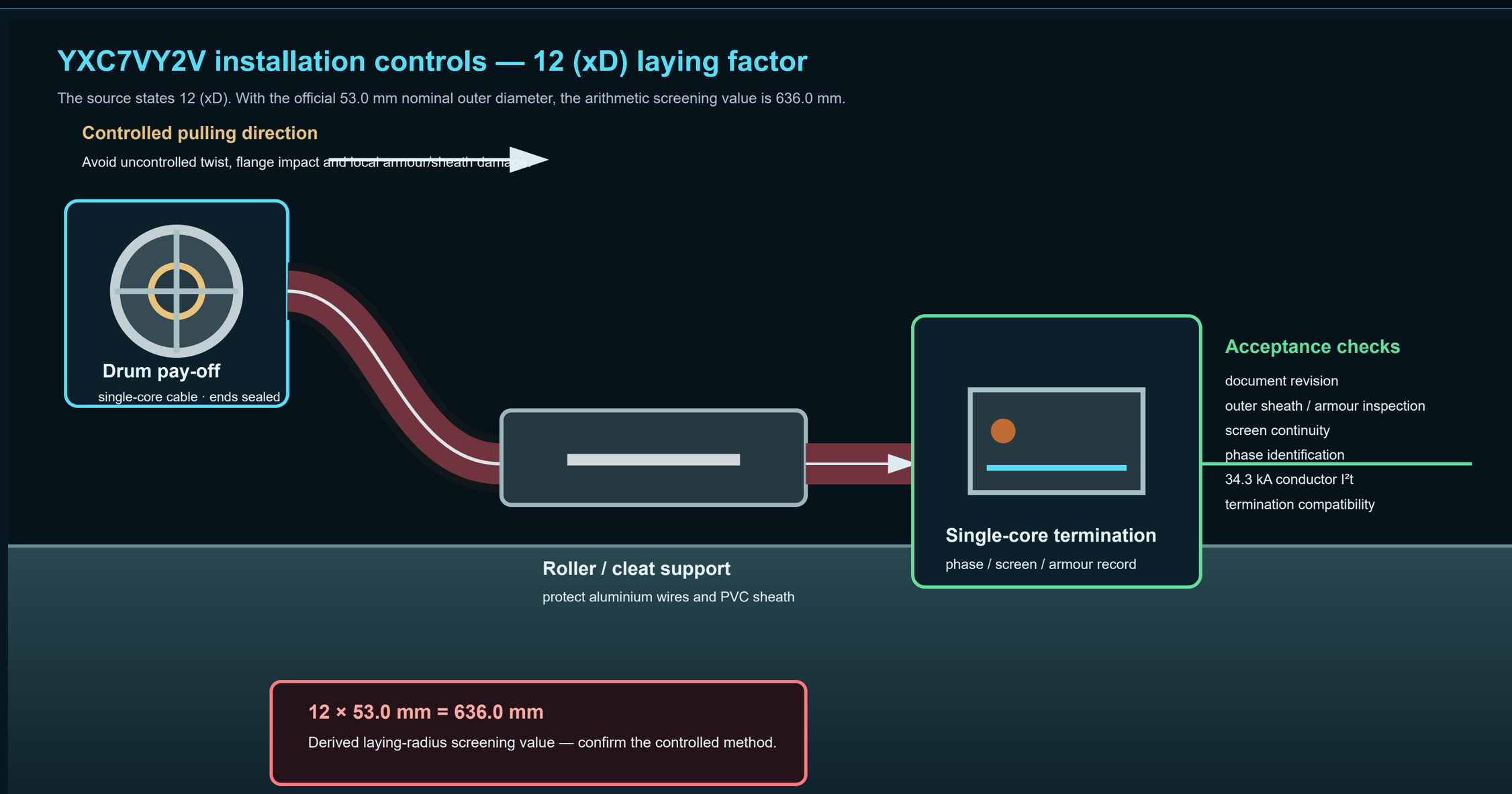
Energy-network feeder
The source identifies low dielectric losses and networks with sudden load changes. Final selection needs load profile, conductor area, protection and route design.

Underground route
Review soil thermal resistance, depth, water exposure, drainage, backfill, mechanical impact and joint access.

Duct installation
Check duct fill, pulling load, sidewall pressure, entry geometry, bends, heat dissipation, water and installation temperature.

Residential / industrial area
Review public access, fire strategy, induced voltage, earthing, support spacing, maintenance clearance and the consequences of PVC sheath selection.

12. Handling and termination

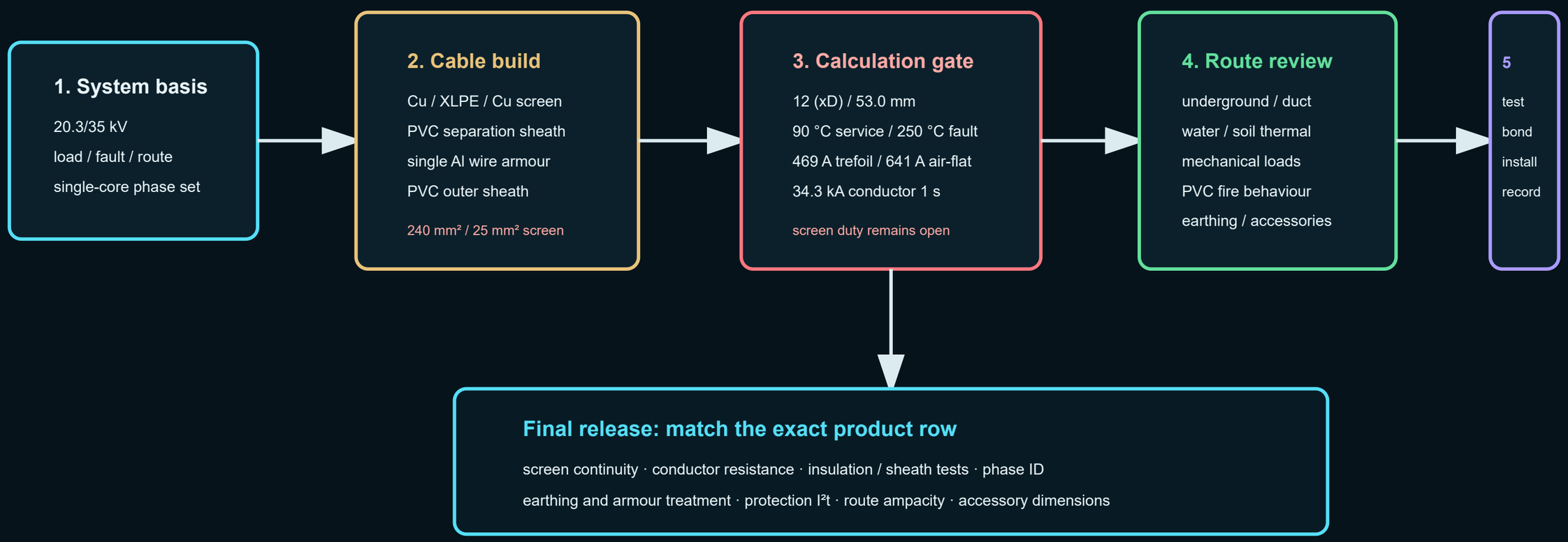


1. Confirm the exact YXC7VY2V 1x240/25 mm² reference, drum length, source revision, nominal diameter, mass and end seals before unloading.
2. Use the stated 12 (xD) laying factor only as a screening input; confirm the controlled minimum-radius and accessory method statement.
3. Align the drum and pay off in the marked direction. Prevent reverse winding, flange impact, uncontrolled twist and local PVC sheath damage.
4. Use rollers and supports that protect the round aluminium wires and prevent excessive sidewall pressure at bends and entries.
5. Prepare the single-core termination with the correct copper screen continuity, armour treatment, phase identification, gland and accessory dimensions.
6. Bond the copper screen and aluminium armour according to the approved earthing design. Record continuity, torque, phase identity and test results.
7. Before energisation, complete conductor resistance, screen continuity, insulation/sheath tests, specified MV withstand or partial-discharge tests, phase identification, accessory inspection and as-built records.

13. Selection comparison for engineers

Requirement	YXC7VY2V reference	What must be verified	Engineering decision
20.3/35 kV fixed feeder	Single-core copper / XLPE; 240 mm²; 20.3/35 kV.	System insulation coordination, accessories, phase arrangement and protection.	Candidate after project design.
High-current route	641 A air flat; 469 A buried trefoil under published bases.	Actual formation, spacing, ambient, soil, grouping and thermal resistivity.	Use only after route recalculation.
Mechanically exposed fixed route	Single layer round aluminium wire armour; PVC outer sheath.	Impact, compression, pulling load, bending, cleats, armour bonding and sheath protection.	Potentially suitable subject to mechanical design.
Screen/fault coordination	25 mm² copper screen; 34.3 kA conductor 1 s; screen 1 s dash.	Earthing, bonding, screen fault duty, protection clearing time and accessory capability.	Do not release without screen-duty closure.
Fire-sensitive building	IEC 60332-3 Cat. C; PVC sheath system.	Current product declaration, smoke/corrosive-gas evidence and local fire requirements.	Do not assume LSZH or CPR class.
Reeling / festoon / drag chain	12 (xD) laying factor; fixed energy-network application.	Cycles, speed, torsion, acceleration, rollers and dynamic bend radius.	Select a dedicated dynamic cable family.

YXC7VY2V release gate — verify system data before selection



14. Failure mode and effects analysis

Designation confusion: YXC7VY2V and N2XSYR(AL)Y are merged without retaining the source title and international designation separately.

Formation substitution: 641 A air-flat or 469 A buried-trefoil is copied into another formation without recalculation.

Screen assumption: 25 mm² screen section is treated as a published screen 1 s fault-current value even though the source gives a dash.

Radius assumption: 12×D is treated as a dynamic-service rating rather than a laying factor.

Armour fault path: aluminium wires are assumed to carry a known earth-fault current without bonding and I²t design.

Fire substitution: IEC 60332-3 Cat. C is treated as proof of Eca/Cca/B2ca, LSZH or halogen-free performance.

Dimensional substitution: 53.0 mm and 4710 kg/km are copied to another conductor size or manufacturer construction.

Dynamic misuse: a fixed-route cable is installed in reeling, festoon or energy-chain service without dynamic qualification.

15. Feichun certification and project assurance

Engineered for maximum safety in demanding environments, Feichun Cable cable systems comply with global standards including **ATEX, IECEx, VDE, CE, UKCA, EAC, and the Russian Fire Safety Certificate**. They are the trusted choice for heavy-duty mining equipment, ship-to-shore cranes, RTG/RMG cranes, and conveyor systems where high reliability is non-negotiable.

Configuration-specific certification
Certification capability does not make every YXC7VY2V size automatically TSEK, IECEx, ATEX, EAC or fire-certified. The exact conductor, screen, PVC compounds,

Feichun release dossier
Confirm conductor flexibility, conductor and screen area, DCR, outer diameter, mass, current ratings, short-circuit values, screen

High-voltage accessory control
For 20.3/35 kV service, the termination and joint system must be selected with the exact insulation diameter, screen preparation, sheath, armour and test requirements.

Engineering value
Feichun can develop the copper / XLPE / copper-screen / PVC / aluminium-wire-armoured architecture around the actual route, protection system and market

aluminium armour, voltage class and documentation must match.

bonding, armour treatment, bending instructions and accessory compatibility.

documentation without copying incomplete data.

Release condition: this article does not invent a TSEK certificate number, screen short-circuit current, CPR class, dynamic rating, product test report or alternative conductor size.

16. Source and revision audit

Source	Use in this article	Status and limitation
Nexans YXC7VY2V 20.3/35 kV family page	Family title, National TSEK, application, construction, product row, packaging and family description.	Official family source; use the exact ordered product reference.
Nexans two-page family PDF	Generated 8/4/26, page labels, source disclaimer, 20.3/35 kV, 240 mm², 8.5 mm insulation, 2.7 mm sheath and flame reference.	Family-level record; preserve the supplied source date and page distinction.
Nexans YXC7VY2V 1x240/25 mm² product page	Official product reference 10563489, outer diameter, mass, conductor diameter, screen section, DCR, current ratings, sheath colour and fault values.	Product-specific record; do not generalise its values to other sizes.
Nexans product PDF 10563489	International designation N2XSYR(AL)Y, construction and the 1x240/25 mm² technical row.	Official product-specific PDF generated 8/4/26.
IEC 60332-3-24:2018	Related official context for Category C vertical flame spread of vertically mounted bunched cables.	The YXC7VY2V record lists IEC 60332-3 Cat. C without an edition; product documentation controls the applicable test basis.
IEC 60502-2 consolidated record	General reference for extruded-insulation MV cable scope and fixed-installation engineering context.	The supplied YXC7VY2V source lists National TSEK, not IEC 60502-2; no IEC conformity is claimed here.
User-supplied source text	All supplied values, construction sequence, source metadata and page labels.	Preserved; dashes are not filled from another cable.

This article is for preliminary engineering, technical search and comparison. The final Feichun YXC7VY2V 20.3/35 kV release must be checked against the current product data sheet, National TSEK basis, exact product row, current ratings, screen and armour design, fire documentation, accessories, installation method and local authority requirements.

Feichun Cable — YXC7VY2V 20.3/35 kV engineering support

Phone
+86 13855123218

Technical email
Tech@feichuncables.com

This article separates supplied values, official product additions, source dashes and Feichun project-confirmation values. Missing fields are not filled from another supplier, cable family or conductor size.

FEICHUN-YXC7VY2V-20-3-35KV-ENGINEERING-EN · 03 August 2026