BHAGYADEEP
CABLES PVT. LTD.

OFFICIAL CATALOGUE 2026

PRODUCT PORTFOLIO

STRUCTURED CABLING & LEAD WIRES

High performance electrical conductors, data communication lines, and optical fibers engineered for modern networks and industrial infrastructure.

RELIABLE CONNECTIVITY. ENGINEERED FOR PERFORMANCE.

Reliable Connectivity. Engineered for Performance.

www.bhagyadeepcables.com

OUR STORY

We design, engineer, and manufacture high-conductivity copper and advanced fiber optic systems that form the physical backbone of critical enterprise networks, telecom grids, and industrial installations worldwide. Since our founding, we have prioritized first-principles engineering and material purity above all else, establishing ourselves as a premier manufacturing partner.

Our state-of-the-art facilities in Jaipur utilize advanced German extrusion, high-speed drawing, and automated stranding machinery to achieve ultra-fine dimensional tolerances and unmatched electrical performance. This allows us to supply high-purity copper media and complex optical configurations to demanding sectors like data centers, defense, telecom networks, solar PV farms, and automotive giants.

20,000+ Sq. Ft.
ADVANCED PRODUCTION FACILITY

100% In-House
CONTINUOUS LAB VALIDATION

15+ Countries
GLOBAL EXPORT NETWORK

ENGINEERED TRUST & 100% HOME TESTED PROCESS CONTROLS

Every reel that leaves our facility undergoes rigorous spark testing, high-frequency parameter scans, and mechanical load validation. We ensure 100% home tested safety and long-term stability in the most demanding field installations.

BHAGYADEEP

OUR MISSION

To engineer and deliver world-class cabling infrastructure and high-conductivity copper pathways that power critical digital and power networks across every continent. We are dedicated to ensuring zero failure rates, maximum electrical efficiency, and long-term sustainability through first-principles engineering and process perfection.

OUR VISION

To be the most trusted, innovative, and carbon-neutral cable manufacturing partner for global enterprises, utility grid developers, defence institutions, and telecom operators, setting the global benchmark for signal integrity, mechanical reliability, and customer-first execution.

> *"At BHAGYADEEP, we bridge electrical grids and heavy industrial control systems with high-conductivity copper wire designs engineered for safety and reliability."*

CORE PRINCIPLES

ENGINEERING EXCELLENCE

We design every product with first-principles thinking, rigorous testing, and zero tolerance for shortcuts.

INNOVATION

From 400G switching to AI-driven RF optimization, we invest 20% of revenue annually in R&D.

RELIABILITY

Our products are deployed where failure is not an option. We design for 99.999% uptime from day one.

CUSTOMER OBSESSION

We measure success by our customers' network uptime, not our quarterly revenue.

BHAGYADEEP

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CUSTOM SIZING AND METALLURGY ARE AVAILABLE ON REQUEST

BHAGYADEEP

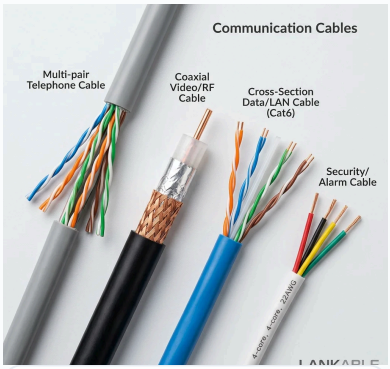
APPLIANCE WIRING MATERIALS

UL 1110 SINGLE-CONDUCTOR CABLE

UL Style 1110 single-conductor cable using a non-integral extruded PVC jacket over PVC-insulated core, rated 105°C at 300 Vac / 600 Vdc with horizontal flame performance, for internal appliance wiring.

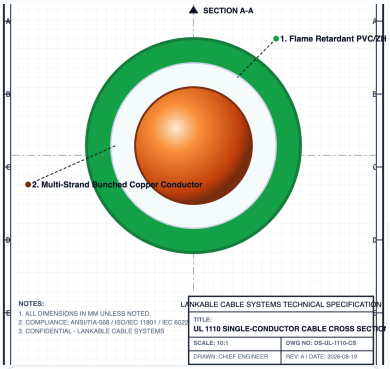
PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER



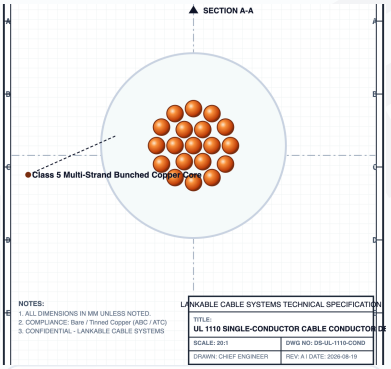
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL Style 1110 & UL 758 compliance
- ✓ 300 Vac / 600 Vdc rating with 105°C temperature r...
- ✓ Non-integral extruded PVC jacket over PVC core
- ✓ Passes horizontal flame performance tests

APPLICATIONS

- Internal wiring of appliances and equipment
- Applications requiring a non-integral jacket construction
- 105°C-rated control and signal wiring
- Equipment requiring optional overall shielding

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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APPLIANCE WIRING MATERIALS

UL 1230 SINGLE CONDUCTOR CABLE

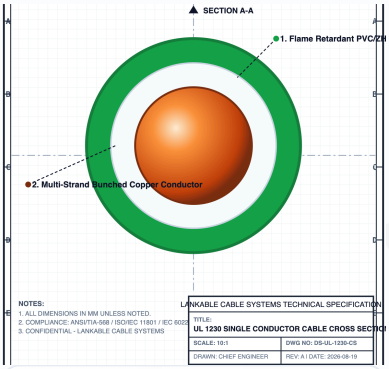
UL AWM Style 1230 single-conductor wire with extruded PVC insulation, rated 105°C at 600 Vac, horizontal flame, with an optional 60°C wet or oil-resistant rating for demanding appliance environments.

PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER

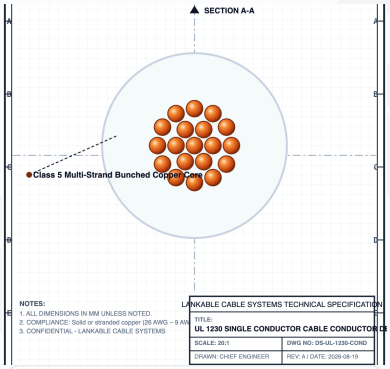
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL AWM Style 1230 & UL 758 compliance
- ✓ 600 Vac voltage rating and 105°C dry / 60°C wet te...
- ✓ Extruded PVC insulation (30 mils min. average)
- ✓ Passes horizontal flame performance tests

APPLICATIONS

- Internal wiring of appliances
- Hook-up wiring in dry switch control and instrumentation panels
- Wet-location wiring up to 60°C
- Oil-exposed environments (optional 60°C oil-resistant rating)

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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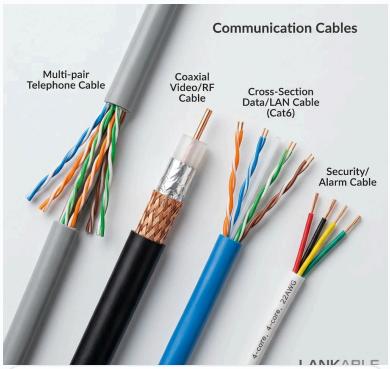
APPLIANCE WIRING MATERIALS

UL 1015 APPLIANCE WIRING MATERIAL

UL Recognized AWM Style 1015 hook-up wire for internal wiring of electrical and electronic equipment, rated to a higher 105°C than Style 1007. Available with stranded or solid bare/tinned copper conductor, passing VW-1 vertical flame test and CSA TEW/AWM.

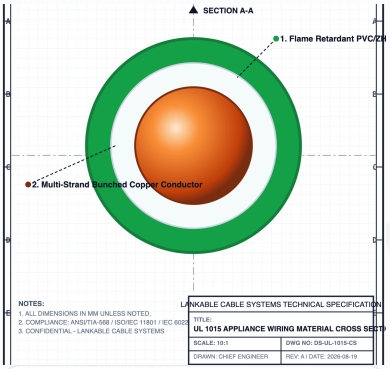
PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER



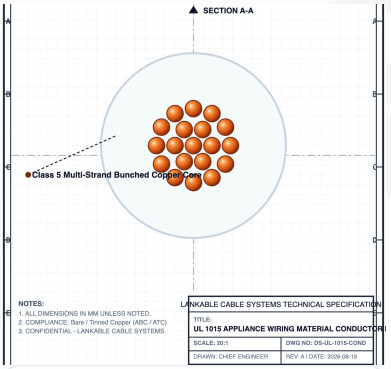
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL Recognized AWM Style 1015 & CSA TEW / AWM c...
- ✓ 600 V voltage rating with broad -40°C to +105°C te...
- ✓ Passes VW-1 vertical flame test
- ✓ Stranded or solid bare/tinned copper conductor op...

APPLICATIONS

- Internal wiring of electrical and electronic equipment
- Higher-temperature appliance and meter panel wiring
- Wide gauge range from signal wiring (26 AWG) to feeder cable (2/0 AWG)
- CSA TEW/AWM dual-standard applications

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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APPLIANCE WIRING MATERIALS

UL-1032

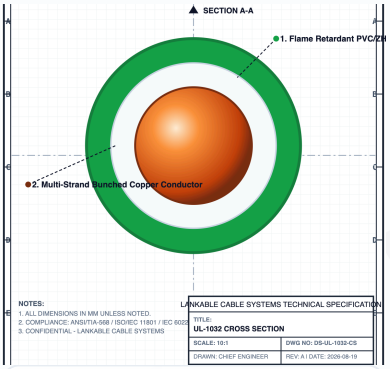
For appliances, control panels, motors, and lighting systems.

PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER

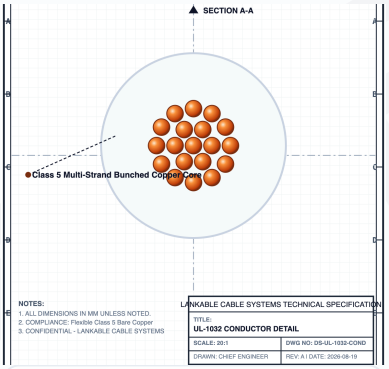
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ Class 5/6 flexible conductor stranding for dynamic ...
- ✓ Excellent resistance to oils, chemicals, and industria...
- ✓ High shielding coverage for superior noise suppress...
- ✓ Tested for continuity and high-voltage insulation st...

APPLICATIONS

CNC machine automation panels | Appliance motor wiring | Switchboard control instrumentation | Industrial sensor networks

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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APPLIANCE WIRING MATERIALS

UL 1061 APPLIANCE WIRING MATERIAL

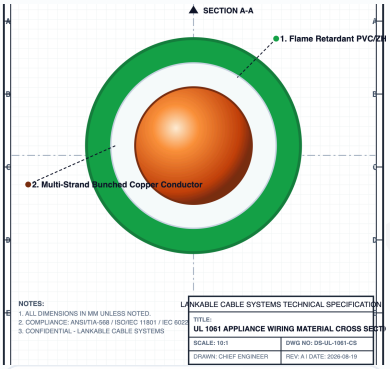
UL Recognized AWM Style 1061 hook-up wire using semi-rigid PVC (SR-PVC) insulation for internal wiring of electrical and electronic equipment, with stranded or solid bare/tinned copper conductor, per CSA Type II SR-PVC.

PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER

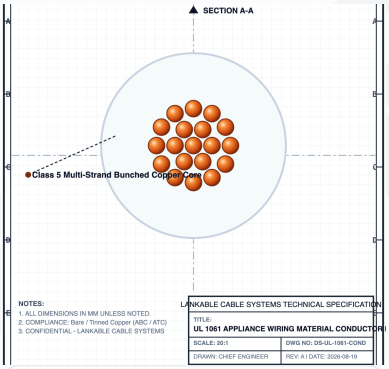
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL Recognized AWM Style 1061 & CSA AWM I A/B co...
- ✓ 300 V voltage rating with -10°C to +80°C temperat...
- ✓ Passes VW-1 vertical flame test
- ✓ Semi-rigid PVC (SR-PVC) insulation for dimensional ...

APPLICATIONS

- Internal wiring of electrical and electronic equipment
- Applications needing a firmer, semi-rigid insulation wall
- Panel and meter wiring requiring dimensional stability
- General-purpose hook-up wiring

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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APPLIANCE WIRING MATERIALS

UL-1283

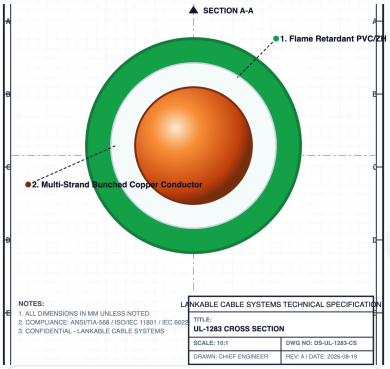
Household appliances, electronic equipment, lighting fixtures, control panels.

PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER

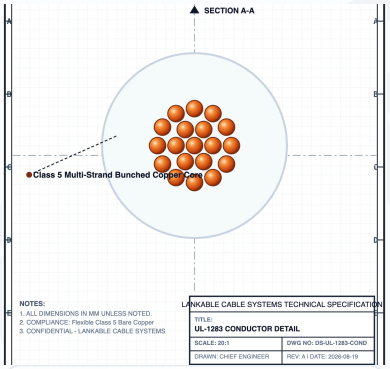
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ Class 5/6 flexible conductor stranding for dynamic ...
- ✓ Excellent resistance to oils, chemicals, and industria...
- ✓ High shielding coverage for superior noise suppress...
- ✓ Tested for continuity and high-voltage insulation st...

APPLICATIONS

- CNC machine automation panels
- Appliance motor wiring
- Switchboard control instrumentation
- Industrial sensor networks

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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APPLIANCE WIRING MATERIALS

UL-1284

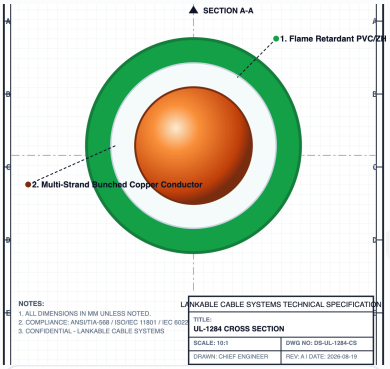
Internal wiring in appliances, control panels, lighting fixtures, electronic equipment.

PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER

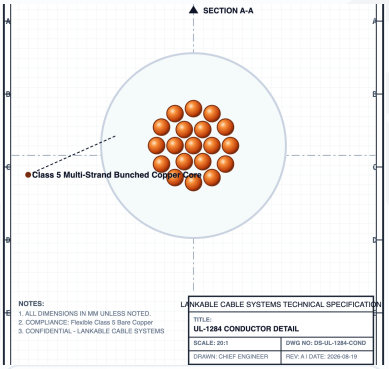
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ Class 5/6 flexible conductor stranding for dynamic ...
- ✓ Excellent resistance to oils, chemicals, and industria...
- ✓ High shielding coverage for superior noise suppress...
- ✓ Tested for continuity and high-voltage insulation st...

APPLICATIONS

CNC machine automation panels | Appliance motor wiring | Switchboard control instrumentation | Industrial sensor networks

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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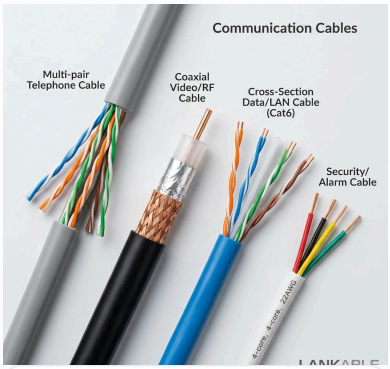
APPLIANCE WIRING MATERIALS

UL 1569 APPLIANCE WIRING MATERIAL

UL Recognized AWM Style 1569 hook-up wire for internal wiring of electrical and electronic equipment, covering 30-2 AWG, passing VW-1 vertical test and FT-1 flame test on all sizes, with CSA AWM I A/B, TR-64 dual recognition.

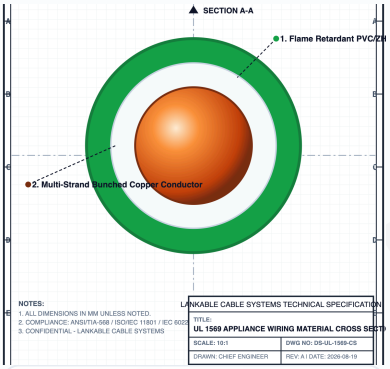
PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER



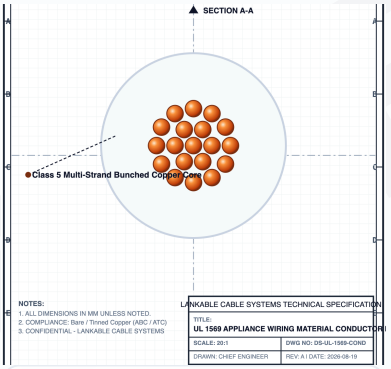
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL Recognized AWM Style 1569 & CSA AWM I A/B, T...
- ✓ 300 V voltage rating with -10°C to +105°C tempera...
- ✓ Passes VW-1 vertical flame and FT-1 flame tests acr...
- ✓ Stranded or solid bare/tinned copper conductor op...

APPLICATIONS

- Internal wiring of electrical and electronic equipment
- Applications spanning fine signal wire (30 AWG) to power feeder gauges
- Equipment needing FT-1 flame rating across all sizes
- CSA AWM I A/B, TR-64 dual-recognition applications

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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APPLIANCE WIRING MATERIALS

UL 1617 SINGLE CONDUCTOR CABLE

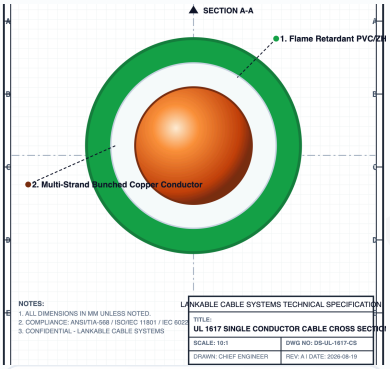
UL AWM Style 1617 single-conductor cable using an extruded non-integral PVC covering over a labeled or AWM-compliant insulated conductor, rated 105°C at 600 Vac with horizontal flame performance.

PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER

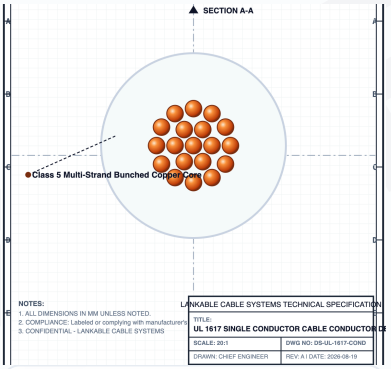
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL AWM Style 1617 & UL 758 compliance
- ✓ 600 Vac voltage rating with 105°C temperature rati...
- ✓ Extruded PVC non-integral covering (5 mils min thic...
- ✓ Passes horizontal flame performance tests

APPLICATIONS

- Internal wiring of electrical appliances and electronics
- Signal and control cable core shielding
- 105°C-rated equipment panels

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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APPLIANCE WIRING MATERIALS

UL 1618 SINGLE CONDUCTOR CABLE

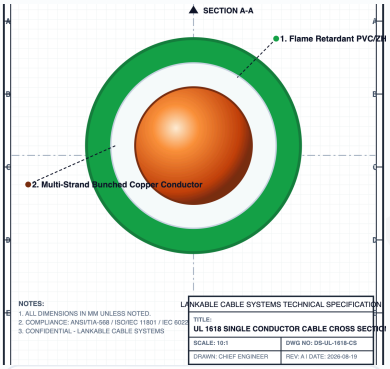
UL AWM Style 1618 single-conductor cable using an extruded non-integral PVC covering, rated 80°C at 300 Vac with horizontal flame performance, for general internal wiring applications.

PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER

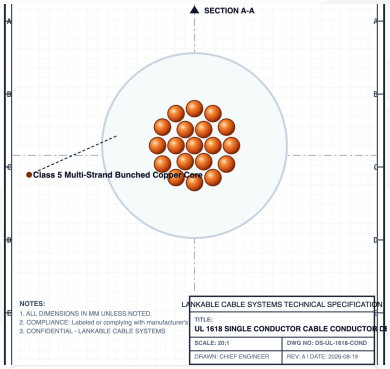
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL AWM Style 1618 & UL 758 compliance
- ✓ 300 Vac voltage rating with 80°C temperature rating
- ✓ Extruded PVC non-integral covering (5 to 50 mils thi...
- ✓ Passes horizontal flame performance tests

APPLICATIONS

- General internal wiring of electronic appliances
- Low-voltage internal signal connections
- 80°C-rated control circuitry

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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APPLIANCE WIRING MATERIALS

UL 10269 SINGLE-CONDUCTOR CABLE

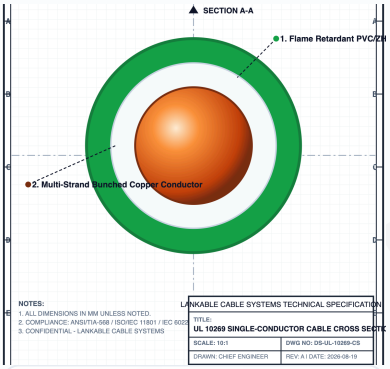
UL Style 10269 single-conductor cable with extruded PVC insulation, rated 80/90/105°C at 1000 Vac / 1250 Vdc with horizontal flame performance and optional oil-resistant rating, for internal wiring of appliances.

PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER

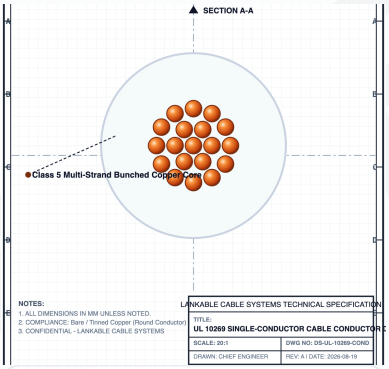
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL Style 10269 & UL 758 compliance
- ✓ High voltage rating of 1000 Vac / 1250 Vdc
- ✓ Rated up to 105°C with optional oil-resistant design...
- ✓ Passes horizontal flame tests

APPLICATIONS

- Internal wiring of appliances
- Oil-exposed wiring (60°C or 80°C oil-resistant option)
- 3,500V peak electronic-use applications
- Wide-range conductor sizing from signal to power wiring

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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APPLIANCE WIRING MATERIALS

UL 1007 APPLIANCE WIRING MATERIAL

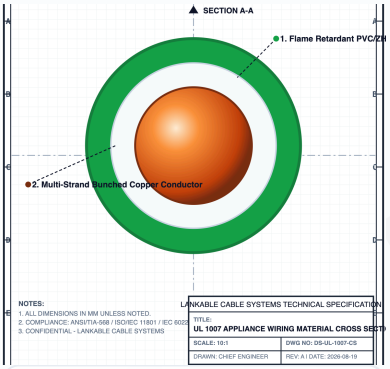
UL Recognized AWM Style 1007 hook-up wire for internal wiring of electrical and electronic equipment. Available with stranded or solid bare/tinned copper conductor and PVC insulation, passing VW-1 vertical flame and FT-1 flame tests.

PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER

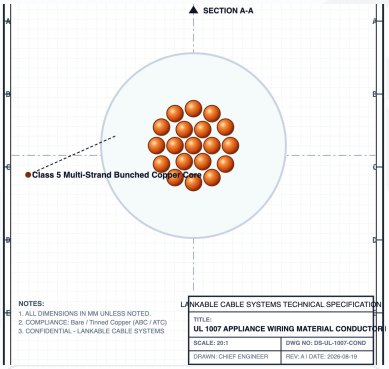
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL Recognized AWM Style 1007 & CSA AWM I A/B, T...
- ✓ 300 V voltage rating with -10°C to +80°C temperat...
- ✓ Passes VW-1 vertical flame and FT-1 flame tests
- ✓ Available in stranded or solid bare/tinned copper co...

APPLICATIONS

- Internal wiring of electrical and electronic equipment
- Appliance and meter panel wiring
- Machine tool control circuits
- General-purpose hook-up wiring

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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APPLIANCE WIRING MATERIALS

UL 1275 SINGLE CONDUCTOR CABLE

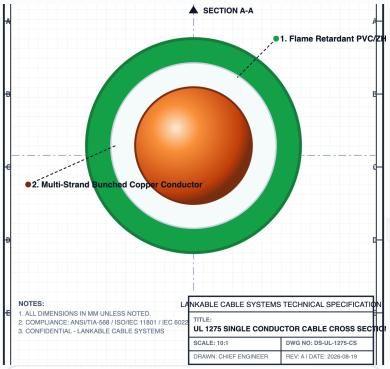
UL AWM Style 1275 stranded single-conductor wire with heavy 60-mil PVC insulation, rated 105°C at 600 Vac horizontal flame, purpose-built for refrigeration equipment internal wiring.

PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER

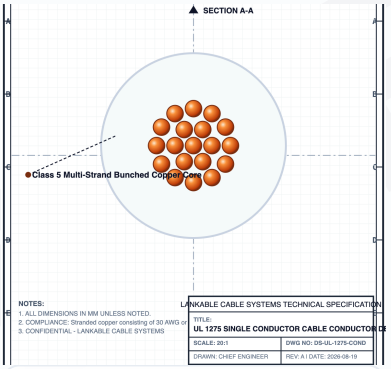
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL AWM Style 1275 & UL 758 compliance
- ✓ 600 Vac voltage rating with 105°C dry / 60°C wet te...
- ✓ Heavy 60 mils minimum average PVC insulation wall ...
- ✓ Specially designed for internal wiring of refrigeratio...

APPLICATIONS

- Internal wiring of refrigerating and commercial cooling equipment
- Deep freeze control panel wiring
- Outdoor compressor circuit connection

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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APPLIANCE WIRING MATERIALS

UL 2464 MULTI-CONDUCTOR CABLE

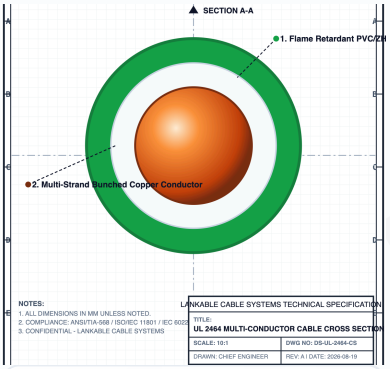
UL AWM Style 2464 multiple-conductor cable with an extruded non-integral PVC jacket, optional shield and braid, rated 80°C at 300 Vac with cable flame performance for internal wiring or external interconnection.

PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER

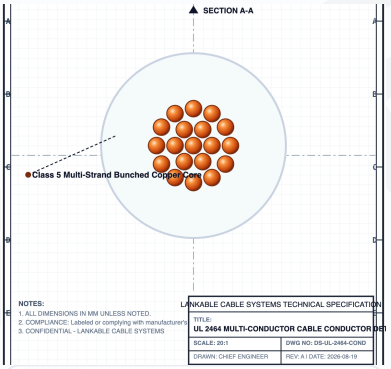
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL AWM Style 2464 & UL 758 compliance
- ✓ 300 Vac voltage rating and 80°C temperature rating
- ✓ Horizontal or Cable Flame flammability rating
- ✓ Optional overall shield and tinned copper braid opti...

APPLICATIONS

- Internal wiring or external interconnection of electronic equipment
- Computer and data transmission cables
- High-density signal networks
- Control systems and automated instrumentation panels

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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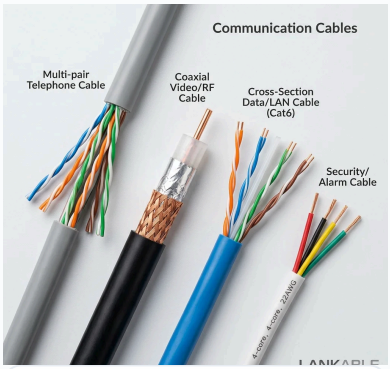
APPLIANCE WIRING MATERIALS

UL 2129 MULTI-CONDUCTOR CABLE

UL AWM Style 2129 multi-conductor cable using an extruded non-integral PVC jacket, available at 60/80/90/105°C and 600 or 1000 Vac, with horizontal flame performance and optional overall shielding.

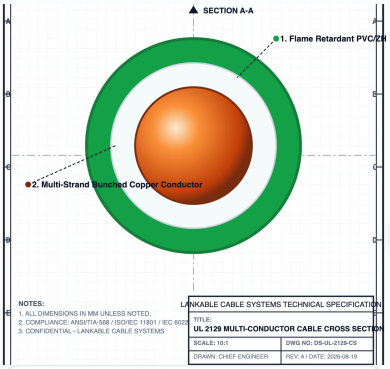
PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER



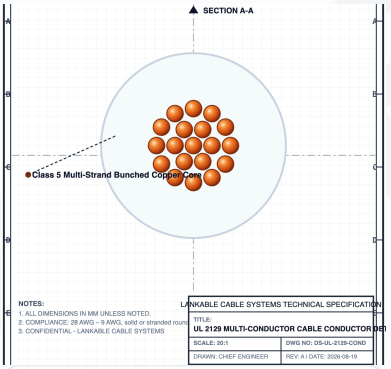
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL AWM Style 2129 & UL 758 compliance
- ✓ 600 or 1000 Vac voltage rating with multiple tempe...
- ✓ Extruded non-integral PVC jacket (thickness scales ...
- ✓ Passes horizontal flame performance tests, with opt...

APPLICATIONS

- Internal wiring of electrical and electronic equipment
- Multi-conductor control applications
- Switchboard instrumentation and panel assembly
- Multi-conductor signal cables

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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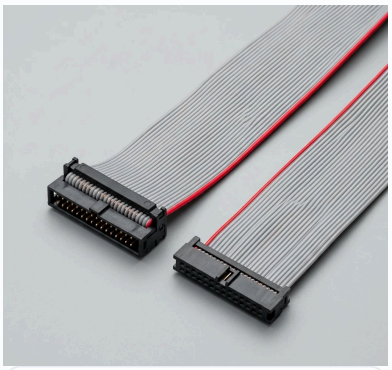
APPLIANCE WIRING MATERIALS

UL 2468 FLAT RIBBON CABLE

UL AWM Style 2468 flat ribbon cable with 2–150 conductors (32–16 AWG, same or mixed gauge) laid parallel in one plane with extruded PVC insulation, rated 80°C at 300 Vac with horizontal flame performance.

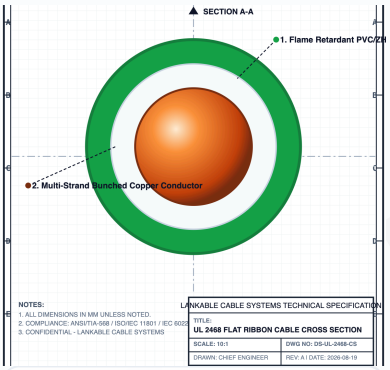
PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER



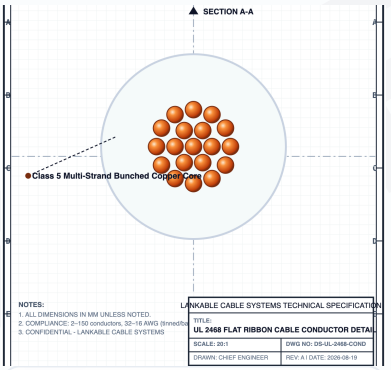
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL AWM Style 2468 & UL 758 compliance
- ✓ 300 Vac voltage rating with 80°C temperature rating
- ✓ Supports 2 to 150 conductors in flat, parallel layout
- ✓ Passes horizontal flame performance tests

APPLICATIONS

- Internal wiring of computers and peripheral devices
- Electronic equipment bus routing
- Compact power and signal distribution
- Board-to-board high-density flat cable connections

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES	
Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE	
Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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APPLIANCE WIRING MATERIALS

UL 2733 MULTI-CONDUCTOR CABLE

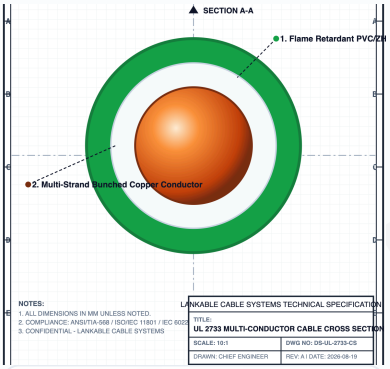
UL AWM Style 2733 multiple-conductor cable (2-7 cores) with an extruded non-integral PVC jacket, rated 105°C at 600 Vac with horizontal flame performance, using Style 1015-labeled insulation.

PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER

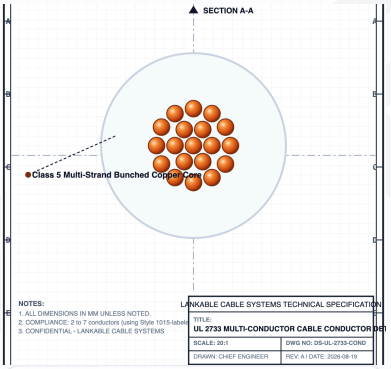
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL AWM Style 2733 & UL 758 compliance
- ✓ 600 Vac voltage rating with 105°C temperature rati...
- ✓ Cabled assembly of 2 to 7 cores under extruded PV...
- ✓ Utilizes high quality UL Style 1015 labeled insulation

APPLICATIONS

- Internal wiring of appliances and control assemblies
- Multi-conductor power and control connections
- Heavy duty industrial electronic panels
- General AWM wiring requiring tough external jacket

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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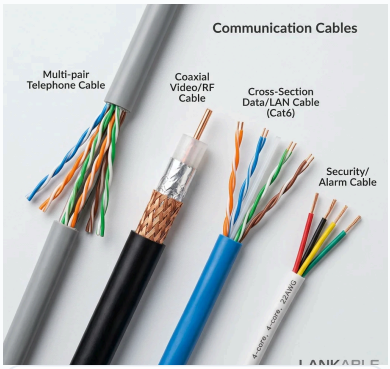
APPLIANCE WIRING MATERIALS

UL 2835 MULTI-CONDUCTOR CABLE

UL AWM Style 2835 multiple-conductor cable (40 AWG minimum) with an extruded non-integral PVC jacket, rated 60°C at 30 Vac, for Class 2 circuit internal wiring or external interconnection in electronic equipment.

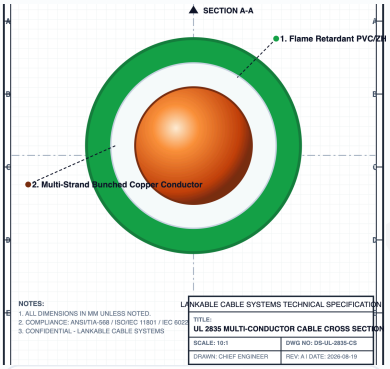
PRODUCT BUILD UP (SCHEMATICS)

VISUAL RENDER



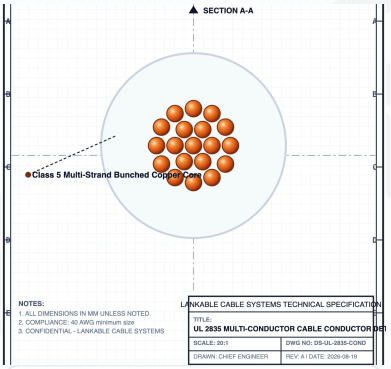
Sheathing

CAD CROSS-SECTION



Internal Core

CONDUCTOR DETAIL



Conductor Gauge

PRODUCT FEATURES

- ✓ UL AWM Style 2835 & UL 758 compliance
- ✓ 30 Vac voltage rating with 60°C temperature rating
- ✓ Specially designed for low-voltage Class 2 circuits
- ✓ Supports ultra-fine conductors down to 40 AWG

APPLICATIONS

- Internal wiring in Class 2 circuits, connector-terminated
- External interconnection of low-voltage electronic systems
- Class 2 power and signal cabling
- Applications requiring ultra-flexible and thin multi-conductor designs

TECHNICAL DATA & APPROVALS

MATERIALS & PHYSICAL PROPERTIES

Conductor	Class 2 Stranded Bare Copper
Insulation	PVC / XLPE Insulation
Outer Sheath	FR-PVC (Flame Retardant PVC)
Bend Radius (Fixed)	12 x OD
Flame Retardancy	IEC 60332-1-2

ELECTRICAL PARAMETERS & COMPLIANCE

Voltage Rating	1100 V (1.1 kV)
Test Voltage	3000 V AC
Standards	IS 1554 (Part-1), IEC 60502-1
Certifications	CE, RoHS Compliant, ISO 9001

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LET'S CONNECT

THANK YOU.

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