

Cables & Connectors

Finecables truly understands the cost, time and quality associated with the installation and integration design. Our customized solutions and one-stop services will help you reach your objective by reducing the installation time of cables and wires by 20% to 80%, BOM and design/field assembly labor costs for numerous application fields: Sensors & Industrial Automation Control, Telecommunications & Network, HVAC & Refrigeration, LED Lighting, Railway Transportation System, Marine & Vessels, Medical Devices, Renewable Energy, Measuring & Testing and Package conveyor and logistics system.



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Drag Chain Cables

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BUS cables



CAN-BUS cables & connectors

CAN-BUS Cables for a Controller Area Network have been standardized for different application fields, originally developed for cars, and used in industry in an extremely broad range of applications. The largest spreading has got the high speed type according to ISO 11898-2. The bus is optimized for a band efficient digital information exchange on the controller level.

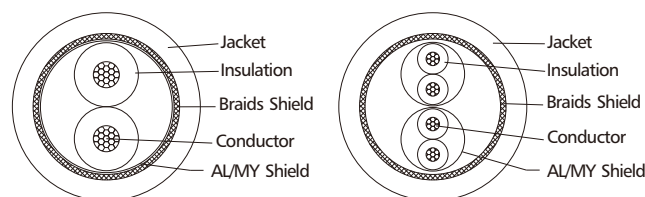
CAN-BUS Cables



■ Cable Features

- Oil resistant
- Halogen-free PUR jacket available
- UL/CSA certified

■ Cable Construction



■ Technical Data

- Test Voltage: AC 2000V/min
- Minimum Bending Radius: 12xOD
- RoHS Compliant
- Temperature Range:
 - 40°C~+80°C(Fixed Installation)
 - 20°C~+70°C(Flexible Installation)

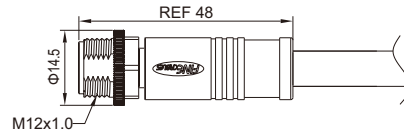
■ Advantage & Application

- Used for Field Link of CAN-BUS cables.
- For high flexible applications power chains/cable tracks, moving machine parts, etc.
- Cost effective for cables and installation
- For fixed/flexible installation cables.
- Easy identification of cable faults.

■ Detailed Specifications

Structure	Items	Unit	Specifications			
Conductor	AWG No.	AWG	24AWGx1P	22AWGx1P	24AWGx2P	22AWGx2P
	Material	-	Bare Copper			
	Core wire	Pairs	1P		2P	
Wire Insulation	Material	-	FPE			
	Color	-	White&Blue		White&Blue; Green&Yellow	
Assembly	Drain Wire	mm	24AWG		22AWG	
	Aluminum	mm	>100%			
	Braids	mm	>65%			
Jacket	Material	-	PVC/PUR			
	Color	-	Violet			
	Over Diameter	mm	6.0	7.0	7.5	8.5
Electrical Capability	Rated Temp	℃	80℃			
	Rated Voltage	V	300V			
	Conductor Resistance	Ω/KM20℃	24AWG:94.2Max; 22AWG:59.4Max			
	Insulation Resistance	MΩ/KM20℃	100 Min			
	Impedance	Ω	120+/-20% (for signal pair)			
	Flame Rating	—	IEC 60332-1-2			

CAN-BUS Cable: M12 Male Connector With Cable



Wirelist		Wirelist	
1	Shield	1	Shield
4	White	2	Green
5	Blue	3	Yellow
		4	White
		5	Blue



Product Features

- 1-Pair or 2-Pair cores of CAN-BUS cables
- M12, A-coded, 5pins
- Single end with customized cable end process
- Suitable for drag chain
- RoHS compliant

Application Fields

- Automotive Industry
- Mechanical Engineering
- Aviation/Aerospace/Marine Engineering
- Automation Control
- Robotics/CNC

Technical Data

- Connector Series: M12
- Contact No.: 5 Pins
- Coding: A
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU
- Over-molding: TPU

Product Advantage

- Used for cost-saving installation of CAN-BUS cable system
- Space-saving solution due to compact dimensions
- Fast and easy to identify error
- Low cost but high productivity
- Standardized interfaces

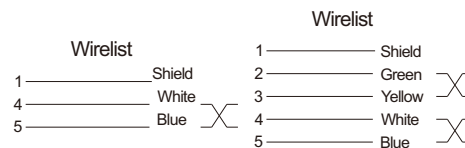
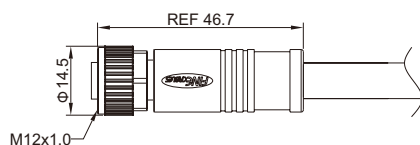
Cable Construction

- Permanently flexible control cable
- Construction: 1Pair(or 2Pairs)+ Shield(AL)+ Drain + Braids
- Conductor: Bare copper
- Violet jacket

Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	A(male)						
05 pins		Solder version	4A	60V	1Pair: 24AWG	PUR/PVC	Customized Cable Length
					1Pair: 22AWG		
					2Pairs: 24AWG		
					2Pairs: 22AWG		

CAN-BUS Cable: M12 Female Connector With Cable



Product Features

- 1-Pair or 2-Pair cores of CAN-BUS cables
- M12, A-coded, 5pins
- Single end with customized cable end process
- Suitable for drag chain
- RoHS compliant

Product Advantage

- Used for cost-saving installation of CAN-BUS cable system
- Space-saving solution due to compact dimensions
- Fast and easy to identify error
- Low cost but high productivity
- Standardized interfaces

Application Fields

- Automotive Industry
- Mechanical Engineering
- Aviation/Aerospace/Marine Engineering
- Automation Control
- Robotics/CNC

Cable Construction

- Permanently flexible control cable
- Construction: 1Pair(or 2Pairs)+ Shield(AL)+ Drain+ Braids
- Conductor: Bare copper
- Violet jacket

Technical Data

- Connector Series: M12
- Contact No.: 5 Pins
- Coding: A
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU; PA
- Over-molding: TPU

- Jacket Color: RAL4001(Violet RAL4001)
- Outer Sheath Material: PUR/PVC
- Shielding: Available
- IP Rating: IP67/IP69K
- Ambient Temperature(Operation):
-40°C~+80°C(Fixed Installation)
-20°C~+80°C(Flexible Installation)

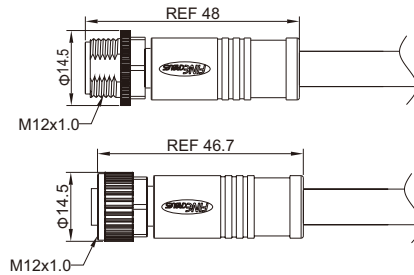
Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	A(female)						
05 pins		Solder version	4A	60V	1Pair: 24AWG	PUR/PVC	Customized Cable Length
					1Pair: 22AWG		
					2Pairs: 24AWG		
					2Pairs: 22AWG		

CAN-BUS Cable: M12 Male Connector to M12 Female Connector



UL CE RoHS



Wirelist		Wirelist	
1	Shield	1	Shield
4	White	2	Green
5	Blue	3	Yellow
		4	White
		5	Blue

Product Features

- 1-Pair or 2-Pair cores of CAN-BUS cables
- M12, A-coded, 5pins
- Double ends
- Suitable for drag chain
- RoHS compliant

Application Fields

- Automotive Industry
- Mechanical Engineering
- Aviation/Aerospace/Marine Engineering
- Automation Control
- Robotics/CNC

Technical Data

- Connector Series: M12
- Contact No.: 5 Pins
- Coding: A
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU; PA
- Over-molding: TPU

Product Advantage

- Used for cost-saving installation of CAN-BUS cable system
- Space-saving solution due to compact dimensions
- Fast and easy to identify error
- Low cost but high productivity
- Standardized interfaces

Cable Construction

- Permanently flexible control cable
- Construction: 1Pair(or 2Pairs)+ Shield(AL)+ Drain+ Braids
- Conductor: Bare copper
- Violet jacket

Electronical & Mechanical Data

Contacts	Available Coding		Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	A(male)	A(female)						
05 pins			Solder version	4A	60V	1Pair: 24AWG	PUR/PVC	Customized Cable Length
						1Pair: 22AWG		
						2Pairs: 24AWG		
						2Pairs: 22AWG		

BUS cables



Profibus cables & connectors

Profibus are divided into two categories of Profibus PA and Profibus DP.

Process Automation (PA):

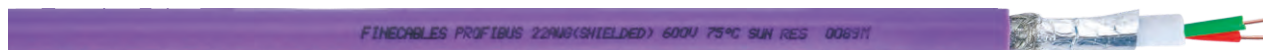
Profibus is standardized according to IEC 61158 that means best interoperability of components from different manufactures.

Decentralized Periphery (DP):

The modular peripheral construction of the bus system simplifies installation and maintenance.

The Profibus PA is the leader in Process Automation in Europe, while Profibus DP range dominates worldwide with a bit rate of 1.5Mbit/s up to 12 Mbit/s. So, the type PA is generally used in current systems, and the type DP are only used for replacement purpose in already existing systems.

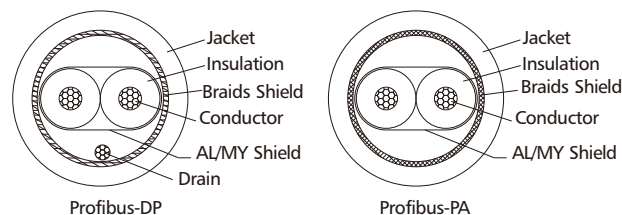
Profibus Cables



■ Cable Features

- Oil resistant
- Halogen-free PUR jacket available
- UL/CSA certified

■ Cable Construction



■ Technical Data

- Test Voltage: AC 1500V/min
- Minimum Bending Radius: 15xOD
- RoHS Compliant
- Temperature Range:
 - 40°C~+80°C(Fixed Installation)
 - 20°C~+70°C(Flexible Installation)

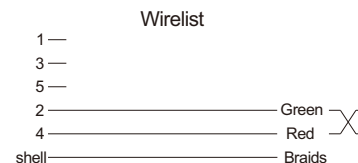
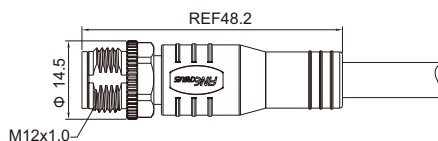
■ Advantage & Application

- Used for Field-Link of Profibus cables
- For high flexible applications (power chains/cable tracks, moving machine parts, etc.)
- Cost effective for cables and installation
- For fixed/flexible installation cables
- Easy identification of cable faults

■ Detailed Specifications

Structure	Items	Unit	Specifications	
			Profibus-PA	Profibus-DP
Conductor	AWG No.	AWG	22AWGx1P	18AWGx1P
	Material	-	Bare Copper	
	Core wire	Pairs	1P	1P
Wire Insulation	Material	-	FRFPE or FHDPE	
	Color	-	Red&Green	Blue&Orange
Assembly	Drain Wire	mm	22AWG	---
	Aluminum	mm	> 100%	
	Braids	mm	> 65%	
Jacket	Material	-	PVC/PUR	
	Color	-	Purple	Blue
	Over Diameter	mm	8.0	11.1
Electrical Capability	Rated Temp	°C	80°C	
	Rated Voltage	V	300V	
	Conductor Resistance	Ω/KM20°C	22AWG:59.4Max	18AWG:23.2Max
	Insulation Resistance	MΩ/KM20°C	100 Min	
	Impedance	Ω	100+/-10%; 150+/-10%	
	Flame Rating	-	IEC 60332-1-2	

Profibus Cable: M12 Male Connector With Cable



Product Features

- 2-core Profibus cable
- M12, B-coded, 5pins
- Single end with customized cable end process
- Suitable for drag chain
- RoHS compliant

Application Fields

- Automotive Industry
- Mechanical Engineering
- Plant Installation Engineering
- Automation Control
- Tool Room

Technical Data

- Connector Series: M12
- Contact No.: 5 Pins (Pin2&Pin4 connected)
- Coding: B
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU
- Over-molding: TPU

Product Advantage

- Used for cost-saving installation of Profibus cable system
- Space-saving solution due to compact dimensions
- Fast and easy to identify error
- Low cost but high productivity
- Standardized interfaces

Cable Construction

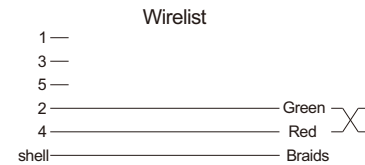
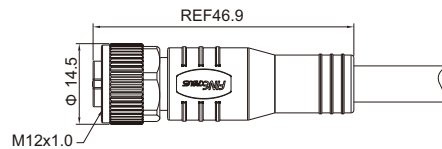
- Permanently flexible control cable
- Construction: 1Pair + Shield(AL) + Drain + Braids
- Conductor: Bare copper
- Violet jacket

- Wire Color: Red, Green
- Jacket Color: Violet RAL4001
- Jacket Material: PUR/PVC
- Shielding: Available
- IP Rating: IP67/IP69K
- Ambient Temperature(Operation):
-40℃~+80℃(Fixed Installation)
-20℃~+80℃(Flexible Installation)

Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	B(male)						
05 pins		Solder version	4A	250V	1Pair: 24AWG	PUR/PVC	Customized Cable Length
					1Pair: 22AWG		
					1Pair: 18AWG		

Profibus Cable: M12 Female Connector With Cable



Product Features

- 2-core Profibus cable
- M12, B-coded, 5pins
- Single end with customized cable end process
- Suitable for drag chain
- RoHS compliant

Application Fields

- Automotive Industry
- Mechanical Engineering
- Plant Installation Engineering
- Automation Control
- Tool Room

Technical Data

- Connector Series: M12
- Contact No.: 5 Pins (Pin2&Pin4 connected)
- Coding: B
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU; PA
- Over-molding: TPU

Product Advantage

- Used for cost-saving installation of Profibus cable system
- Space-saving solution due to compact dimensions
- Fast and easy to identify error
- Low cost but high productivity
- Standardized interfaces

Cable Construction

- Permanently flexible control cable
- Construction: 1Pair + Shield(AL) + Drain + Braids
- Conductor: Bare copper
- Violet jacket

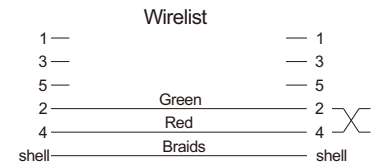
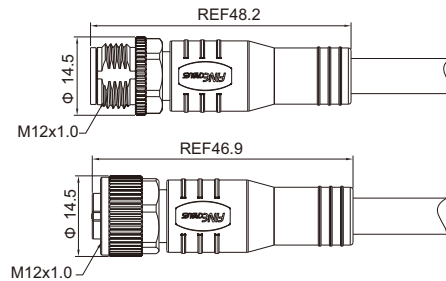
Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	B(female)						
05 pins		Solder version	4A	250V	1Pair: 24AWG	PUR/PVC	Customized Cable Length
					1Pair: 22AWG		
					1Pair: 18AWG		

Profibus Cable: M12 Male Connector To M12 Female Connector







Product Features

- 2-core Profibus cable
- M12, B-coded, 5pins
- Double ends
- Suitable for drag chain
- RoHS compliant

Product Advantage

- Used for cost-saving installation of Profibus cable system
- Space-saving solution due to compact dimensions
- Fast and easy to identify error
- Low cost but high productivity
- Standardized interfaces

Application Fields

- Automotive Industry
- Mechanical Engineering
- Plant Installation Engineering
- Automation Control
- Tool Room

Cable Construction

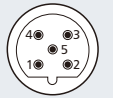
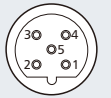
- Permanently flexible control cable
- Construction: 1Pair+ Shield(AL) + Drain + Braids
- Conductor: Bare copper
- Violet jacket

Technical Data

- Connector Series: M12
- Contact No.: 5 Pins (Pin2&Pin4 connected)
- Coding: B
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU; PA
- Over-molding: TPU

- Wire Color: Red, Green
- Jacket Color: Violet RAL4001
- Jacket Material: PUR/PVC
- Shielding: Available
- IP Rating: IP67/IP69K
- Ambient Temperature(Operation):
-40℃~+80℃(Fixed Installation)
-20℃~+80℃(Flexible Installation)

Electronical & Mechanical Data

Contacts	Available Coding		Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	A(male)	A(female)						
05 pins			Solder version	4A	250V	1Pair: 24AWG	PUR/PVC	Customized Cable Length
						1Pair: 22AWG		
						1Pair: 18AWG		

BUS cables



DeviceNet cables & connectors

Based on CAN structures DeviceNet was developed for the industrial process automation on the North American continent. This system is divided into Trunk and Drop cable.

Incorporating a power and data pair, the Trunk cable is suitable for use in Allen Bradley DeviceNet system. Several sheathing options are available for different installation environments.

The Drop cable is designed to connect actuators, sensors, and switching to the DeviceNet on the Allen Bradley DeviceNet system. Several sheathing options are available for different installation environments.

DeviceNet Cables



■ Cable Features

- Oil resistant
- Designed per ODVA standards
- Cable length changeable with data transmission rate and cable size
- Based on proven CAN technology

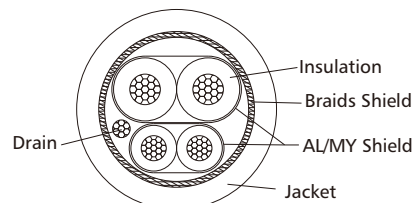
■ Technical Data

- Test Voltage: AC 2000V/min
- Minimum Bending Radius: 15xOD
- RoHS Compliant
- Temperature Range:
 - 40℃~+80℃(Fixed Installation)
 - 20℃~+70℃(Flexible Installation)

■ Detailed Specifications

Structure	Items	Unit	Specifications			
Conductor	AWG No.	AWG	22AWGx1P +24AWGx1P	18AWGx1P +20AWGx1P	16AWGx1P +18AWGx1P	15AWGx1P +18AWGx1P
	Material	-	Tinned copper			
	Core wire	Pairs	2P		2P	
Wire Insulation	Material	-	PVC Insulation(Power); FPE Insulation(Data)			
	Color	-	Red&Black(Power Pair); Blue&White(Data Pair)			
Assembly	Drain Wire	mm	24AWG	20AWG	18AWG	18AWG
	Aluminum	mm	>100%			
	Braids	mm	>65%			
Jacket	Material	-	PVC/PUR/TPE/CPE			
	Color	-	Gray			
	Over Diameter	mm	7.0	9.60	11.0	12.0
Electrical Capability	Rated Temp	℃	80℃			
	Rated Voltage	V	300V			
	Conductor Resistance	Ω/KM20℃	22AWG:59.4Max 24AWG:94.2Max	18AWG:23.2Max 20AWG:36.7Max	16AWG:14.6Max 18AWG:23.2Max	15AWG:11.8Max 18AWG:23.2Max
	Insulation Resistance	MΩ/KM20℃	100 Min			
	Impedance	Ω	120+/-10% (for signal pair)			
	Flame Rating	—	IEC 60332-1-2			

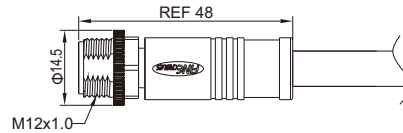
■ Cable Construction



■ Advantage & Application

- Used for limit switches, photoelectric switches, variable frequency drives, valve islands, motor starters, PLCs, etc.
- For high flexible applications (power chains/cable tracks, moving machine parts, etc.
- Cost effective for cables and installation
- For fixed/flexible installation cables
- Easy identification of cable faults

DeviceNet Cable: M12 Male Connector With Cable



Wirelist

1	Shield	
2	Red	
3	Black	
4	White	
5	Blue	



Product Features

- 2-Pair DeviceNet jacket cable
- M12,A-coded
- Single end with customized cable end process
- Suitable for drag chain
- RoHS compliant

Application Fields

- Automotive Industry
- Mechanical Engineering
- Plant Installation Engineering
- Automation Control
- Tool Room

Technical Data

- Connector Series: M12
- Contact No.: 5 Pins
- Coding: A
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU; PA
- Over-molding: TPU

Product Advantage

- Used for industrial equipment telecommunication
- Improvement of process data management
- Cost-saving Installation
- Low cost but high productivity
- For open internet standards and agreements
- Standardized interfaces

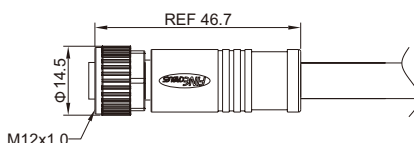
Cable Construction

- Permanently flexible control cable
- Construction: 2Pairs+Shield(AL)+Drain+Braids
- Conductor: Tinned copper
- Gray jacket

Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	A(male)						
05 pins		Solder version	4A	250V	22AWGx1Pair + 24AWGx1Pair	PUR/PVC	Customized Cable Length

DeviceNet Cable: M12 Female Connector With Cable



Wirelist

1	Shield	
2	Red	
3	Black	
4	White	
5	Blue	



Product Features

- 2-Pair DeviceNet jacket cable
- M12,A-coded
- Single end with customized cable end process
- Suitable for drag chain
- RoHS compliant

Application Fields

- Automotive Industry
- Mechanical Engineering
- Plant Installation Engineering
- Automation Control
- Tool Room

Technical Data

- Connector Series: M12
- Contact No.: 5 Pins
- Coding: A
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU; PA
- Over-molding: TPU

Product Advantage

- Used for industrial equipment telecommunication
- Improvement of process data management
- Cost-saving Installation
- Low cost but high productivity
- For open internet standards and agreements
- Standardized interfaces

Cable Construction

- Permanently flexible control cable
- Construction: 2Pairs+ Shield(AL)+ Drain+ Braids
- Conductor: Tinned copper
- Gray jacket

- Wire Color: 1Pair(Red/Black); 1Pair(Blue/White)
- Jacket Color: Gray
- Jacket Material: PUR/PVC
- Shielding: Available
- IP Rating: IP67/IP69K
- Ambient Temperature(Operation):
-40℃~+80℃(Fixed Installation)
-20℃~+80℃(Flexible Installation)

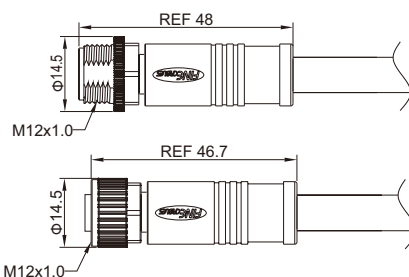
Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	A(female)						
05 pins		Solder version	4A	250V	22AWGx1Pair + 24AWGx1Pair	PUR/PVC	Customized Cable Length

DeviceNet Cable: M12 Male Connector To Female Connector



CE RoHS



Wirelist	
1	Shield
2	Red
3	Black
4	White
5	Blue

Product Features

- 2-Pair DeviceNet jacket cable
- M12,A-coded
- Double ends
- Suitable for drag chain
- RoHS compliant

Application Fields

- Automotive Industry
- Mechanical Engineering
- Plant Installation Engineering
- Automation Control
- Tool Room

Technical Data

- Connector Series: M12
- Contact No.: 5 Pins
- Coding: A
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU; PA
- Over-molding: TPU

Product Advantage

- Used for industrial equipment telecommunication
- Improvement of process data management
- Cost-saving Installation
- Low cost but high productivity
- For open internet standards and agreements
- Standardized interfaces

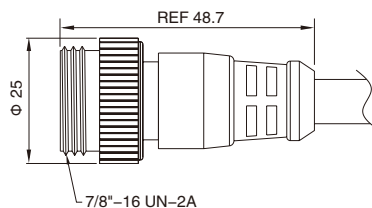
Cable Construction

- Permanently flexible control cable
- Construction: 2Pairs+Shield(AL)+Drain+Braids
- Conductor: Tinned copper
- Gray jacket

Electronical & Mechanical Data

Contacts	Available Coding		Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	A(male)	A(female)						
05 pins			Solder version	4A	250V	22AWGx1Pair + 24AWGx1Pair	PUR/PVC	Customized Cable Length

DeviceNet Cable 7/8" Male Connector



Wirelist		
1	Shield	1
2	Red	2
3	Black	3
4	White	4
5	Blue	5

Product Features

- 2-Pair DeviceNet jacket cable
- 7/8" 5 Pins
- Single end with customized cable end process
- Suitable for drag chain
- RoHS compliant

Application Fields

- Automotive Industry
- Mechanical Engineering
- Plant Installation Engineering
- Automation Control
- Tool Room

Technical Data

- Connector Series: 7/8"
- Contact No.: 5 Pins
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Aluminum anodized black
- Connector Insert: TPU
- Over-molding: TPU

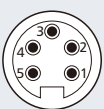
Product Advantage

- Used for industrial equipment telecommunication
- Improvement of process data management
- Cost-saving Installation
- Low cost but high productivity
- For open internet standards and agreements
- Standardized interfaces

Cable Construction

- Permanently flexible control cable
- Construction: 2Pairs+Shield(AL)+Drain+Braids
- Conductor: Tinned copper
- Gray jacket

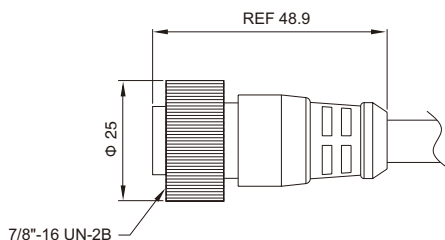
Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	male						
05 pins		Crimp version	8A	300V	18AWGx1Pair+20AWGx1Pair	PUR/PVC	Customized Cable Length
					15AWGx1Pair+18AWGx1Pair		
					16AWGx1Pair+18AWGx1Pair		

DeviceNet Cable 7/8" Female Connector



UL CE RoHS



Wirelist				
1	Shield	1		
2	Red	2		
3	Black	3		
4	White	4		
5	Blue	5		

Product Features

- 2-Pair DeviceNet jacket cable
- 7/8" 5 Pins
- Single end with customized cable end process
- Suitable for drag chain
- RoHS compliant

Application Fields

- Automotive Industry
- Mechanical Engineering
- Plant Installation Engineering
- Automation Control
- Tool Room

Technical Data

- Connector Series: 7/8"
- Contact No.: 5 Pins
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Aluminum anodized black
- Connector Insert: TPU
- Over-molding: TPU

Product Advantage

- Used for industrial equipment telecommunication
- Improvement of process data management
- Cost-saving Installation
- Low cost but high productivity
- For open internet standards and agreements
- Standardized interfaces

Cable Construction

- Permanently flexible control cable
- Construction: 2Pairs+Shield(AL)+Drain+Braids
- Conductor: Tinned copper
- Gray jacket

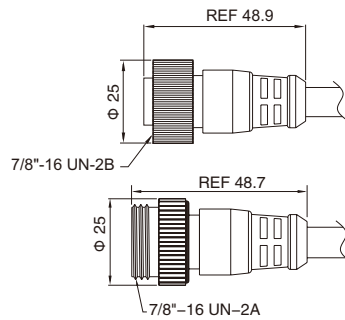
Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	female						
05 pins		Crimp version	8A	300V	18AWGx1Pair+20AWGx1Pair	PUR/PVC	Customized Cable Length
					15AWGx1Pair+18AWGx1Pair		
					16AWGx1Pair+18AWGx1Pair		

Devicenet Cable 7/8" Male Connector To Female Connector



RoHS



Wirelist				
1	Shield	1		
2	Red	2		
3	Black	3		
4	White	4		
5	Blue	5		

Product Features

- 2-Pair DeviceNet jacket cable
- 7/8" 5 Pins
- Single end with customized cable end process
- Suitable for drag chain
- RoHS compliant

Application Fields

- Automotive Industry
- Mechanical Engineering
- Plant Installation Engineering
- Automation Control
- Tool Room

Technical Data

- Connector Series: 7/8"
- Contact No.: 5 Pins
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Aluminum anodized black
- Connector Insert: TPU
- Over-molding: TPU

Product Advantage

- Used for industrial equipment telecommunication
- Improvement of process data management
- Cost-saving Installation
- Low cost but high productivity
- For open internet standards and agreements
- Standardized interfaces

Cable Construction

- Permanently flexible control cable
- Construction: 2Pairs+Shield(AL)+Drain+Braids
- Conductor: Tinned copper
- Gray jacket

Electronical & Mechanical Data

Contacts	Available Coding		Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	male	female						
05 pins			Crimp version	8A	300V	18AWGx1Pair+20AWGx1Pair	PUR/PVC	Customized Cable Length
						15AWGx1Pair+18AWGx1Pair		
						16AWGx1Pair+18AWGx1Pair		

BUS cables



Industrial EtherNet cables & connectors

Industrial EtherNet is a quickly developing network technology. The reason for the acceptance and popularity not only lies in the integrated networking for a company, but also in the effect that it forms the basic technology for the world's largest network-the internet. EtherNet with the worldwide accepted TCP/IP (Transmission Control Protocol/Internet Protocol) will be the future connection to the well established field bus or sensor / actuator level. Generally, the following transmission rates are divided into:

- SHARED ETHERNET = 10 Mbit/s
- FAST ETHERNET = 100 Mbit/s (CAT 5 requirements)
- GIGABIT ETHERNET = 1000 Mbit/s (1 Gbit/s)

Finecables developed a variety of cable solutions due to the strong innovative force of automation industry. Depending on the applications, we are able to offer today CAT 5e, CAT 6A and CAT 7 cable solutions for flexible and continuous flexible use, for chemical and thermal stress as well as special cable constructions for reeling purpose and robot operation.

Industrial Ethernet Cables (Unshielded CAT 5 or CAT 5E)

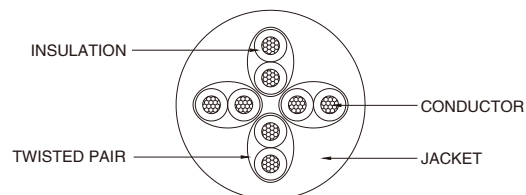
AWM 2835 24AWG 60°C 30V FT2 E331984 ETL VERIFIED CAT 5e FINECABLES



Cable Features

- Halogen-free PUR jacket available
- Foaming insulation wires
- The transmission bandwidth is 100MHz

Cable Construction



Technical Data

- Test Voltage: AC 1000V/min
- Minimum Bending Radius: 12xd
- RoHS Compliant
- Temperature Range:
 - 40°C~+80°C(Fixed Installation)
 - 20°C~+70°C(Flexible Installation)

Advantage & Application

- From sensor/actuator to internet seamless telecommunication
- For extreme industrial EtherNET environment
- Used for EtherCAT and EtherNET/IP system
- For fixed/flexible installation cables

Detailed Specifications

Structure	Items	Unit	Specifications	
Conductor	AWG No.	AWG	24AWGx2P	24AWGx4P
	Material	-	Bare Copper	
Wire Insulation	Material	-	HD-PE	
	Color	-	Blue&White/Blue;Orange&White/Orange; Green&Green/White;Brown&Brown/White	
Jacket	Material	-	PVC/PUR	
	Color	-	Gray/Black	
Electrical Capability	Rated Temp	°C	60°C	
	Rated Voltage	V	30V	
	Conductor Resistance	Ω/KM20°C	24AWG:94.2Max	
	Insulation Resistance	MΩ/KM20°C	100 Min	
	Impedance	Ω	100+/-15%	
	Flame Rating	-	FT2	

Industrial EtherNet Cables (Shielded CAT 5E)

AWM 2835 26AWG 60°C 30V FT2 E331984 ETL VERIFIED CAT 5e FINECABLES

UL SP CE RoHS

■ Cable Features

- High quality double shielding ensures high reliability of data transmission under electromagnetic interference
- Halogen-free PUR jacket available
- Foaming insulation wires
- 2-pair or 4-Pair wires
- The transmission bandwidth is 100MHz

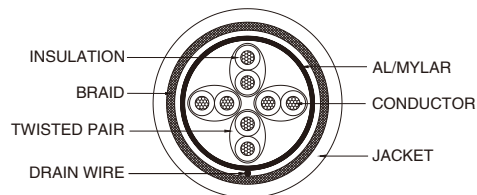
■ Technical Data

- Test Voltage: AC 1000V/min
- Minimum Bending Radius: 12xd
- RoHS Compliant
- Temperature Range:
 - 40°C~+80°C(Fixed Installation)
 - 20°C~+70°C(Flexible Installation)

■ Detailed Specifications

Structure	Items	Unit	Specifications			
Conductor	AWG No.	AWG	24AWGx2P	24AWGx4P	26AWGx2P	26AWGx4P
	Material	-	Bare Copper			
Wire Insulation	Material	-	HD-PE			
	Color	-	Blue&White/Blue;Orange&White/Orange; Green&Green/White;Brown&Brown/White			
Assembly	Drain Wire	mm	24AWG		26AWG	
	AL/Mylar	mm	>100%			
	Braids	mm	>65%			
Jacket	Material	-	PVC/PUR			
	Color	-	Gray/Black			
Electrical Capability	Rated Temp	℃	60℃			
	Rated Voltage	V	30V			
	Conductor Resistance	Ω/KM20℃	24AWG:94.2Max		26AWG:150Max	
	Insulation Resistance	MΩ/KM20℃	100 Min			
	Impedance	Ω	100+/-15%			
	Flame Rating	—	FT2			

■ Cable Construction



■ Advantage & Application

- From sensor/actuator to internet seamless telecommunication
- Powerful shielded performance, anti-interference
- For extreme industrial EtherNET environment
- Used for EtherCAT and EtherNET/IP system
- For fixed/flexible installation cables

Industrial Ethernet Cables (Unshielded CAT 6 or CAT 6A)

AWM 2835 24AWG 60°C 30V FT2 E331984 ETL VERIFIED CAT6A FINECABLES

UL RoHS

Cable Features

- Solid conductor
- Halogen-free PUR jacket available
- Foaming insulation wires
- 2-pair or 4-Pair wires
- Bandwidth is also expanded to 250MHz

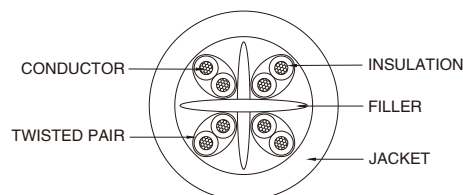
Technical Data

- Test Voltage: AC 1000V/min
- Minimum Bending Radius: 12xd
- RoHS Compliant
- Temperature Range:
 - 40°C~+80°C(Fixed Installation)
 - 20°C~+70°C(Flexible Installation)

Detailed Specifications

Structure	Items	Unit	Specifications	
Conductor	AWG No.	AWG	24AWGx2P	24AWGx4P
	Material	-	Bare Copper	
Wire Insulation	Material	-	HD-PE	
	Color	-	Blue&White/Blue;Orange&White/Orange; Green&Green/White;Brown&Brown/White	
Assembly	Filler	-	PE	
Jacket	Material	-	PVC/PUR	
	Color	-	Gray/Black	
Electrical Capability	Rated Temp	°C	60°C	
	Rated Voltage	V	30V	
	Conductor Resistance	Ω/KM20°C	24AWG:94.2Max	
	Insulation Resistance	MΩ/KM20°C	100 Min	
	Impedance	Ω	100+/-15%	
	Flame Rating	-	FT2	

Cable Construction



Advantage & Application

- From sensor/actuator to internet seamless telecommunication
- Powerful shielded performance, anti-interference
- For extreme industrial EtherNET environment
- Used for EtherCAT and EtherNET/IP system
- For fixed/flexible installation cables

Industrial EtherNet Cables (Shielded CAT 6A)

AWM 2835 26AWG 60°C 30V FT2 E331984 ETL VERIFIED CAT 6A FINECABLES



■ Cable Features

- High quality double shielding ensures high reliability of data transmission under electromagnetic interference
- Oil resistant sheathing enables the cable to be used in industrial environments
- PE insulation wires
- 4-Pair wires
- Bandwidth is also expanded to 250MHz

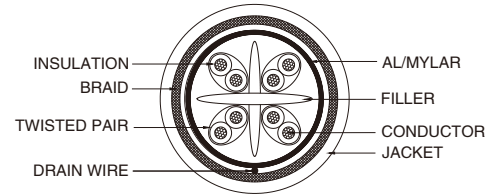
■ Technical Data

- Test Voltage: AC 1000V/min
- Minimum Bending Radius: 12xd
- RoHS Compliant
- Temperature Range:
 - 40°C~+80°C(Fixed Installation)
 - 20°C~+70°C(Flexible Installation)

■ Detailed Specifications

Structure	Items	Unit	Specifications	
Conductor	AWG No.	AWG	24AWGx4P	26AWGx4P
	Material	-	Bare Copper	
Wire Insulation	Material	-	HD-PE	
	Color	-	Blue&White/Blue;Orange&White/Orange; Green&Green/White;Brown&Brown/White	
Assembly	Drain Wire	mm	24AWG	26AWG
	Filler	-	PE	
	AL/Mylar	mm	>100%	
	Braids	mm	>65%	
Jacket	Material	-	PVC/PUR	
	Color	-	Gray/Black	
Electrical Capability	Rated Temp	°C	60°C	
	Rated Voltage	V	30V	
	Conductor Resistance	Ω/KM20°C	24AWG:94.2Max	26AWG:150Max
	Insulation Resistance	MΩ/KM20°C	100 Min	
	Impedance	Ω	100+/-15%	
	Flame Rating	-	FT2	

■ Cable Construction



■ Advantage & Application

- From sensor/actuator to internet seamless telecommunication
- Shielding structures prevent electromagnetic interference
- For extreme industrial EtherNET environment
- Used for EtherCAT and EtherNET/IP system
- For fixed/flexible installation cables

Industrial EtherNet Cables (CAT 7)

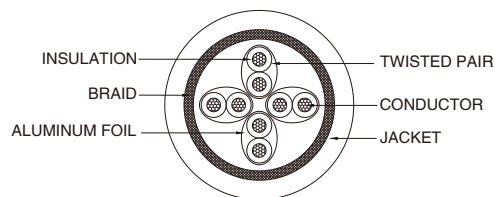
AWM 2835 26AWG 60°C 30V FT2 E331984 ETL VERIFIED CAT 7 FINECABLES



Cable Features

- Solid conductor
- Halogen-free PUR jacket available
- Foaming insulation wires
- 4-pair wire1,each pair of lines has a shielding layer, four pairs of lines together and a large common shielding layer

Cable Construction



Technical Data

- Test Voltage: AC 1000V/min
- Minimum Bending Radius: 12xd
- RoHS Compliant
- Temperature Range:
 - 40°C~+80°C(Fixed Installation)
 - 20°C~+70°C(Flexible Installation)

Advantage & Application

- From sensor/actuator to internet seamless telecommunication
- Industrial Ethernet from 100Mbit/s to 10 Gbit/s
- For extreme industrial EtherNET environment
- Used for EtherCAT and EtherNET/IP system
- Suitable for machine, tool, equipment, device, electric appliance and control cabinet wiring system

Detailed Specifications

Structure	Items	Unit	Specifications	
Conductor	AWG No.	AWG	24AWGx2P	26AWGx4P
	Material	-	Bare Copper	
Wire Insulation	Material	-	HD-PE	
	Color	-	Blue&White/Blue;Orange&White/Orange; Green&Green/White;Brown&Brown/White	
Assembly	AL	mm	>100%	
	Braids	mm	> 65%	
Jacket	Material	-	PVC/PUR	
	Color	-	Gray/Black	
Electrical Capability	Rated Temp	°C	60°C	
	Rated Voltage	V	30V	
	Conductor Resistance	Ω/KM20°C	24AWG:94.2Max	26AWG:150Max
	Insulation Resistance	MΩ/KM20°C	100 Min	
	Impedance	Ω	100+/-15%	
	Flame Rating	-	FT2	

Industrial EtherNet Cables



UL SP CE RoHS

Cable Features

- High quality and double shielded performance for data transmission in signal interference
- Halogen-free PUR jacket available
- 2-pair or 4-Pair wires

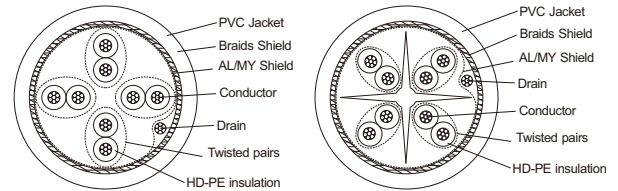
Technical Data

- Test Voltage: AC 1000V/min
- Minimum Bending Radius: 12xOD
- RoHS Compliant
- Temperature Range:
 - 40℃~+80℃(Fixed Installation)
 - 20℃~+70℃(Flexible Installation)

Detailed Specifications

Structure	Items	Unit	Specifications			
Conductor	AWG No.	AWG	26AWGx2P	24AWGx2P	26AWGx4P	24AWGx4P
	Material	-	Bare Copper			
	Core wire	Pairs	2P	2P	4P	4P
Wire Insulation	Material	-	HD-PE			
	Color	-	Orange/White&Orange; Green/White&Green		Blue&White/Blue;Orange&White/Orange; Green&Green/White;Brown&Brown/White;	
Assembly	Drain Wire	mm	26AWGx2P	26AWGx2P	26AWGx4P	24AWGx4P
	AL/Mylar	mm	>100%			
	Braids	mm	>65%			
Jacket	Material	-	PVC/PUR			
	Color	-	Gray			
	Over Diameter	mm	5.0	5.5	6.0	6.8
Electrical Capability	Rated Temp	℃	60℃			
	Rated Voltage	V	30V			
	Conductor Resistance	Ω/KM20℃	26AWG:150Max 24AWG:94.2Max			
	Insulation Resistance	MΩ/KM20℃	100 Min			
	Impedance	Ω	100+/-15%			
	Flame Rating	-	FT2			

Cable Construction



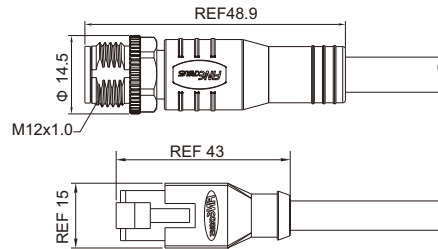
Advantage & Application

- From sensor/actuator to internet seamless telecommunication
- Powerful shielded performance, anti-interference
- For extreme industrial EtherNet environment
- Used for Ether CAT and EtherNet/IP system
- For fixed/flexible installation cables
- Easy identification of cable faults

Industrial EtherNet Cable: M12 Male Connector to RJ45 Male Connector



UL CE RoHS



Wirelist			
1	White/Orange	1	
2	Orange	2	
3	White/Green	3	
4	Green	6	
5	White/Brown	7	
6	Brown	8	
7	White/Blue	5	
8	Blue	4	
Shell	Brads	Shell	

Product Features

- 4-pair jacket cable
- Suitable Connectors: M12 X-coded; RJ45
- Double ends
- RoHS compliant

Product Advantage

- Used for industrial equipment telecommunication
- For flexible installation
- Powerful shielded performance, anti-interference
- Low cost but high productivity

Application Fields

- Automation Control
- Mechanical Engineering
- Plant Installation Engineering

Cable Construction

- Construction: 4Pairs + Shield(AL) + Drain + Brads
- Conductor: Bare copper
- Black or gray jacket

Technical Data

- Connector Series: M12; RJ45
- M12 Coding: X
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- M12 Connector Insert: TPU; PA

- Over-molding: TPU
- Shielding: Available
- IP Rating: IP67/IP69K(M12 end)
- Ambient Temperature(Operation):
-40°C~+80°C(Fixed Installation)
-20°C~+80°C(Flexible Installation)

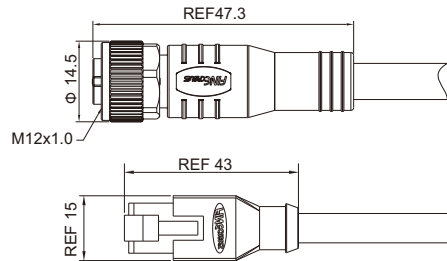
Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	X(male)						
08 pins (M12)		Crimp version	0.5A	30V	24AWGx4Pairs 26AWGx4Pairs	PUR/PVC	Customized Cable Length

Industrial EtherNet Cable: M12 Female Connector to RJ45 Male Connector



RoHS



Wirelist			
1	White/Orange	1	X
2	Orange	2	X
3	White/Green	3	X
4	Green	6	X
5	White/Brown	7	X
6	Brown	8	X
7	White/Blue	5	X
8	Blue	4	X
Shell	Brads	Shell	

Product Features

- 4-pair jacket cable
- Suitable Connectors: M12 X-coded; RJ45
- Double ends
- RoHS compliant

Product Advantage

- Used for industrial equipment telecommunication
- For flexible installation
- Powerful shielded performance, anti-interference
- Low cost but high productivity

Application Fields

- Automation Control
- Mechanical Engineering
- Plant Installation Engineering

Cable Construction

- Construction: 4Pairs + Shield(AL) + Drain + Braids
- Conductor: Bare copper
- Black or gray jacket

Technical Data

- Connector Series: M12; RJ45
- M12 Coding: X
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- M12 Connector Insert: TPU; PA

- Over-molding: TPU
- Shielding: Available
- IP Rating: IP67/IP69K(M12 end)
- Ambient Temperature(Operation):
-40°C~+80°C(Fixed Installation)
-20°C~+80°C(Flexible Installation)

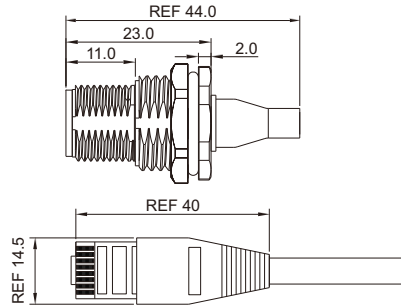
Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	X(female)						
08 pins (M12)		Crimp version	0.5A	30V	24AWGx4Pairs 26AWGx4Pairs	PUR/PVC	Customized Cable Length

Industrial Ethernet Cable: M12 Male Connector to RJ45 Male Connector



RoHS



Wirelist		
1	Orange/White	1
3	Orange	2
2	Green/White	3
4	Green	6
Shell	Shield	Shell

Product Features

- 2-pair jacket cable
- Suitable Connectors: M12 D-coded; RJ45
- Double ends
- RoHS compliant

Product Advantage

- Used for industrial equipment telecommunication
- For flexible installation
- Powerful shielded performance, anti-interference
- Low cost but high productivity

Application Fields

- Automation Control
- Mechanical Engineering
- Plant Installation Engineering

Cable Construction

- Construction: 2Pairs + Shield(AL) + Drain + Braids
- Conductor: Bare copper
- Black or gray jacket

Technical Data

- Connector Series: M12; RJ45
- M12 Coding: D
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- M12 Connector Insert: TPU; PA

- Over-molding: TPU
- Shielding: Available
- IP Rating: IP67/IP69K(M12 end)
- Ambient Temperature(Operation):
-40°C~+80°C(Fixed Installation)
-20°C~+80°C(Flexible Installation)

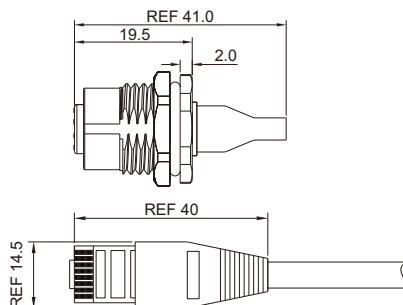
Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	D(male)						
04 pins (M12)		Solder/Crimp version	1.5A	30V	24AWGx4Pairs 26AWGx4Pairs	PUR/PVC	Customized Cable Length

Industrial EtherNet Cable: M12 Female Connector to RJ45 Male Connector



RoHS



Wirelist			
1	Orange/White	1	
3	Orange	2	
2	Green/White	3	
4	Green	6	
Shell	Shield	Shell	

Product Features

- 2-pair jacket cable
- Suitable Connectors: M12 D-coded; RJ45
- Double ends
- RoHS compliant

Product Advantage

- Used for industrial equipment telecommunication
- For flexible installation
- Powerful shielded performance, anti-interference
- Low cost but high productivity

Application Fields

- Automation Control
- Mechanical Engineering
- Plant Installation Engineering

Cable Construction

- Construction: 2Pairs + Shield(AL) + Drain + Braids
- Conductor: Bare copper
- Black or gray jacket

Technical Data

- Connector Series: M12; RJ45
- M12 Coding: D
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- M12 Connector Insert: TPU; PA

- Over-molding: TPU
- Shielding: Available
- IP Rating: IP67/IP69K(M12 end)
- Ambient Temperature(Operation):
-40°C~+80°C(Fixed Installation)
-20°C~+80°C(Flexible Installation)

Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	D (female)						
04 pins (M12)		Solder/Crimp version	1.5A	30V	24AWGx4Pairs 26AWGx4Pairs	PUR/PVC	Customized Cable Length

Plenum Cables



Plenum cables & connectors

At Finecables, you can find plenum multi-pair or multi-conductor plenum cables. Meanwhile, PVC or PET/PTFE are often used as the coating on the jacket and insulation that gives a cable its plenum rating.

Flammability:

Plenum cable is jacket with a fire-retardant plastic gray jacket of a low-smoke PVC with wire insulation of FEP. The UL equivalent standard is the UL-910 standard and meets FT6, which is made up of two primary tests, cable burn properties and smoke density.

Cable stiffness:

Plenum-rated cables are restricted to only allow certain chemicals for manufacture of the wire insulation and cable sheath. Typically this results in reduced flexibility of plastic cables, making it stiff and hard to bend.

Application:

Plenum-rated Type CMP cables connectors can be installed above a suspended ceiling or below a raised floor that is used for environmental air . This cable connectors are used for not only environmental air, but also Alarm and Security Cable Applications.

Plenum Cable

FINECABLES E466854-100119896 (UL) 14AWG/2C 18AWG/2C SHIELD 75°C CMP ----- C(UL) 75°C CMP FT6 RoHS 16/03



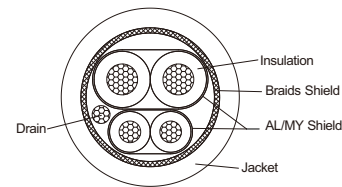
■ Cable Features

- Resist flame and low smoke emissions
- Non-toxic fumes emitted
- UL/CSA certified

■ Technical Data

- Test Voltage: 300Volts
- FEP insulation
- PVC jacket(Grade CMP)
- RoHS compliant
- UL CMP FT6
- Temperature Range:
 - 40°C~+75°C(Fixed Installation)
 - 20°C~+75°C(Flexible Installation)

■ Cable Construction



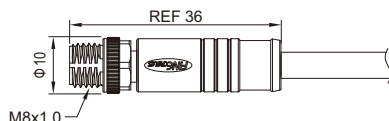
■ Advantage & Application

- Adequate fire-resistant and low smoke-producing characteristics
- Reduced flexibility & stiff and hard to bend.
- Suitable for building air for heating and cooling systems

■ Detailed Specifications

Structure	Items	Unit	Specifications			
Conductor	AWG No.	AWG	24AWG	20AWG	18AWG	14AWG
	Material	-	Bare Copper		Bare Copper	
	Core wire	Pairs	1P		1P	
Wire Insulation	Material	-	FEP insulation		FEP insulation	
	Color	-	1.Blue , 2.White	3. Red , 4.Black	1.Blue , 2.White	3. Red , 4.Black
Assembly	Drain Wire	mm	24AWG		18AWG	
	Aluminum	mm	>100%		>100%	
	Braids	mm	>65%		>65%	
Jacket	Material	-	PVC Jacket(Grade CMP)		PVC Jacket(Grade CMP)	
	Color	-	Gray		Gray	
	Over Diameter	mm	6.35+/-0.25		10.10+/-0.3	
Electrical Capability	Rated Temp	°C	-20°C to +75°C		-20°C to +75°C	
	Rated Voltage	V	300V		300V	
	Conductor Resistance	Ω/KM20°C	24AWG: 94.2Max	20AWG: 36.7Max	18AWG: 23.2Max	14AWG: 8.96Max
	Insulation Resistance	MΩ/KM20°C	10 Min		10 Min	
	Impedance	Ω	120+/-15%	/	120+/-15%	/
	Flame Rating	-	FT6		FT6	

Plenum Cable: M8 Male Connector With Cable



Wirelist

1	Shield	
2	Red	X
3	Black	
4	White	X
5	Blue	



Product Features

- 2-Pair jacket cable
- Single end with customized cable end process
- RoHS compliant

Product Advantage

- Adequate fire-resistant and low smoke-producing characteristics
- Reduced flexibility & stiff and hard to bend.
- Suitable for building air for heating and cooling systems

Application Fields

- Used in building plenum spaces, aerospace, vehicles, energy, steel, non-ferrous metal smelting, oil, electrical and other fields of high temperature resistant wire and cable

Cable Construction

- Fire-retardant, low-smoke PVC jacket, with FEP wire insulation
- Construction: 2 Pairs + Shield(AL)+Drain+Braids
- Conductor: Bare copper
- Gray cable jacket

Technical Data

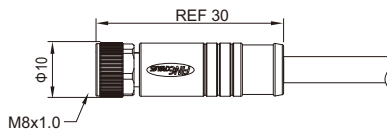
- Connector Series: M8
- Contact No.: 5 Pins
- Coding: B
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU
- Over-molding: TPU

- Wire Color: 1Pair Red/Black; 1Pair Blue/White
- Jacket Color: Gray
- Jacket Material: PVC
- Shielding: Available
- IP Rating: IP67/IP69K
- Ambient Temperature(Operation):
-40℃~+75℃(Fixed Installation)
-20℃~+75℃(Flexible Installation)

Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	B (male)						
05 pins (M8)		Solder version	3A	30V	20AWGx1Pair + 24AWGx1Pair	PVC	Customized Cable Length

Plenum Cable: M8 Female Connector With Cable



Wirelist

1	Shield	
2	Red	X
3	Black	
4	White	X
5	Blue	



Product Features

- 2-Pair jacket cable
- Single end with customized cable end process
- RoHS compliant

Product Advantage

- Adequate fire-resistant and low smoke-producing characteristics
- Reduced flexibility & stiff and hard to bend.
- Suitable for building air for heating and cooling systems

Application Fields

- Used in building plenum spaces, aerospace, vehicles, energy, steel, non-ferrous metal smelting, oil, electrical and other fields of high temperature resistant wire and cable

Cable Construction

- Fire-retardant, low-smoke PVC jacket, with FEP wire insulation
- Construction: 2 Pairs + Shield(AL)+Drain+Braids
- Conductor: Bare copper
- Gray cable jacket

Technical Data

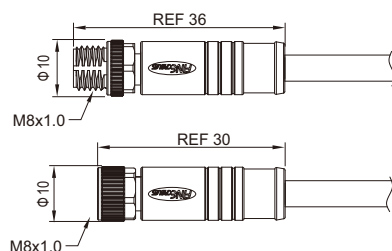
- Connector Series: M8
- Contact No.: 5 Pins
- Coding: B
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU; PA
- Over-molding: TPU

- Wire Color: 1Pair Red/Black; 1Pair Blue/White
- Jacket Color: Gray
- Jacket Material: PVC
- Shielding: Available
- IP Rating: IP67/IP69K
- Ambient Temperature(Operation):
-40℃~+75℃(Fixed Installation)
-20℃~+75℃(Flexible Installation)

Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	B (female)						
05 pins (M8)		Solder version	3A	30V	20AWGx1Pair + 24AWGx1Pair	PVC	Customized Cable Length

Plenum Cable: M8 Male Connector to Female Connector



Wirelist

1	Shield	1
2	Red	2
3	Black	3
4	White	4
5	Blue	5



Product Features

- 2-Pair jacket cable
- Double ends
- RoHS compliant

Product Advantage

- Adequate fire-resistant and low smoke-producing characteristics
- Reduced flexibility & stiff and hard to bend.
- Suitable for building air for heating and cooling systems

Application Fields

- Used in building plenum spaces, aerospace, vehicles, energy, steel, non-ferrous metal smelting, oil, electrical and other fields of high temperature resistant wire and cable

Cable Construction

- Fire-retardant, low-smoke PVC jacket, with FEP wire insulation
- Construction: 2 Pairs + Shield(AL)+Drain+Braids
- Conductor: Bare copper
- Gray cable jacket

Technical Data

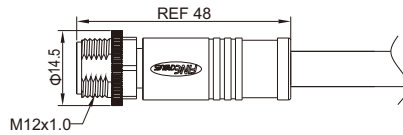
- Connector Series: M8
- Contact No.: 5 Pins
- Coding: B
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU; PA
- Over-molding: TPU

- Wire Color: 1Pair Red/Black; 1Pair Blue/White
- Jacket Color: Gray
- Jacket Material: PVC
- Shielding: Available
- IP Rating: IP67/IP69K
- Ambient Temperature(Operation):
-40℃~+75℃(Fixed Installation)
-20℃~+75℃(Flexible Installation)

Electronical & Mechanical Data

Contacts	Available Coding		Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	B(male)	B (female)						
05 pins (M8)			Solder version	3A	30V	20AWGx1Pair + 24AWGx1Pair	PVC	Customized Cable Length

Plenum Cable: M12 Male Connector With Cable



Wirelist

1	Shield	
2	Red	
3	Black	
4	White	
5	Blue	



Product Features

- 2-Pair jacket cable
- Single end with customized cable end process
- RoHS compliant

Product Advantage

- Adequate fire-resistant and low smoke-producing characteristics
- Reduced flexibility & stiff and hard to bend.
- Suitable for building air for heating and cooling systems

Application Fields

- Used in building plenum spaces, aerospace, vehicles, energy, steel, non-ferrous metal smelting, oil, electrical and other fields of high temperature resistant wire and cable

Cable Construction

- Fire-retardant, low-smoke PVC jacket, with FEP wire insulation
- Construction: 2 Pairs + Shield(AL)+Drain+Braids
- Conductor: Bare copper
- Gray cable jacket

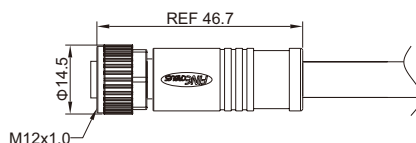
Technical Data

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| <ul style="list-style-type: none"> • Connector Series: M12 • Contact No.: 5 Pins • Coding: A • Contacts Material: Brass with gold plated • Nut/Screw Material: Zinc alloy with nickel plated • Connector Insert: TPU; PA • Over-molding: TPU | <ul style="list-style-type: none"> • Wire Color: 1Pair Red/Black; 1Pair Blue/White • Jacket Color: Gray • Jacket Material: PVC • Shielding: Available • IP Rating: IP67/IP69K • Ambient Temperature(Operation):
-40℃~+75℃(Fixed Installation)
-20℃~+75℃(Flexible Installation) |
|---|--|

Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	A (male)						
05 pins (M12)		Solder version	4A	25V	20AWGx1Pair + 24AWGx1Pair	PVC	Customized Cable Length

Plenum Cable: M12 Female Connector With Cable



Wirelist

1	Shield	
2	Red	
3	Black	
4	White	
5	Blue	



Product Features

- 2-Pair jacket cable
- Single end with customized cable end process
- RoHS compliant

Product Advantage

- Adequate fire-resistant and low smoke-producing characteristics
- Reduced flexibility & stiff and hard to bend.
- Suitable for building air for heating and cooling systems

Application Fields

- Used in building plenum spaces, aerospace, vehicles, energy, steel, non-ferrous metal smelting, oil, electrical and other fields of high temperature resistant wire and cable

Cable Construction

- Fire-retardant, low-smoke PVC jacket, with FEP wire insulation
- Construction: 2 Pairs + Shield(AL)+Drain+Braids
- Conductor: Bare copper
- Gray cable jacket

Technical Data

- Connector Series: M12
- Contact No.: 5 Pins
- Coding: A
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU; PA
- Over-molding: TPU

- Wire Color: 1Pair Red/Black; 1Pair Blue/White
- Jacket Color: Gray
- Jacket Material: PVC
- Shielding: Available
- IP Rating: IP67/IP69K
- Ambient Temperature(Operation):
-40℃~+75℃(Fixed Installation)
-20℃~+75℃(Flexible Installation)

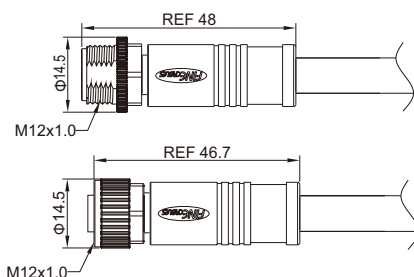
Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	A (female)						
05 pins (M12)		Solder version	4A	25V	20AWGx1Pair + 24AWGx1Pair	PVC	Customized Cable Length

Plenum Cable: M12 Male Connector to Female Connector



RoHS



Wirelist

1	Shield	1
2	Red	2
3	Black	3
4	White	4
5	Blue	5

Product Features

- 2-Pair jacket cable
- Double ends
- RoHS compliant

Product Advantage

- Adequate fire-resistant and low smoke-producing characteristics
- Reduced flexibility & stiff and hard to bend.
- Suitable for building air for heating and cooling systems

Application Fields

- Used in building plenum spaces, aerospace, vehicles, energy, steel, non-ferrous metal smelting, oil, electrical and other fields of high temperature resistant wire and cable

Cable Construction

- Fire-retardant, low-smoke PVC jacket, with FEP wire insulation
- Construction: 2 Pairs + Shield(AL)+Drain+Braids
- Conductor: Bare copper
- Gray cable jacket

Technical Data

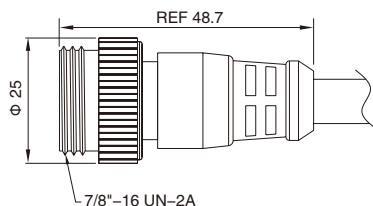
- Connector Series: M12
- Contact No.: 5 Pins
- Coding: A
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Zinc alloy with nickel plated
- Connector Insert: TPU; PA
- Over-molding: TPU

- Wire Color: 1Pair Red/Black; 1Pair Blue/White
- Jacket Color: Gray
- Jacket Material: PVC
- Shielding: Available
- IP Rating: IP67/IP69K
- Ambient Temperature(Operation):
-40℃~+75℃(Fixed Installation)
-20℃~+75℃(Flexible Installation)

Electronical & Mechanical Data

Contacts	Available Coding		Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	A (male)	A (female)						
05 pins (M12)			Solder version	4A	250V	20AWGx1Pair + 24AWGx1Pair	PVC	Customized Cable Length

Plenum Cable: 7/8" Male Connector With Cable



Wirelist

1	Shield	
2	Red	
3	Black	
4	White	
5	Blue	



Product Features

- 2-Pair jacket cable
- Single end with customized cable end process
- RoHS compliant

Product Advantage

- Adequate fire-resistant and low smoke-producing characteristics
- Reduced flexibility & stiff and hard to bend.
- Suitable for building air for heating and cooling systems

Application Fields

- Used in building plenum spaces, aerospace, vehicles, energy, steel, non-ferrous metal smelting, oil, electrical and other fields of high temperature resistant wire and cable

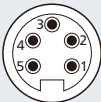
Cable Construction

- Fire-retardant, low-smoke PVC jacket, with FEP wire insulation
- Construction: 2 Pairs + Shield(AL)+Drain+Braids
- Conductor: Bare copper
- Gray cable jacket

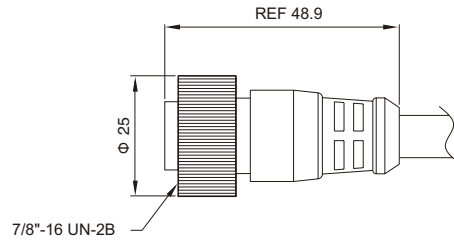
Technical Data

- | | |
|--|--|
| <ul style="list-style-type: none"> • Connector Series: 7/8" • Contact No.: 5 Pins • Coding: A • Contacts Material: Brass with gold plated • Nut/Screw Material: Aluminum anodized black • Connector Insert: TPU • Over-molding: TPU | <ul style="list-style-type: none"> • Wire Color: 1Pair Red/Black; 1Pair Blue/White • Jacket Color: Gray • Jacket Material: PVC • Shielding: Available • IP Rating: IP67/IP69K • Ambient Temperature(Operation):
-40℃~+75℃(Fixed Installation)
-20℃~+75℃(Flexible Installation) |
|--|--|

Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	A (male)						
05 pins (7/8")		Crimp version	8A	300V	20AWGx1Pair + 24AWGx1Pair	PVC	Customized Cable Length

Plenum Cable: 7/8" Female Connector With Cable



Wirelist

1	Shield	
2	Red	X
3	Black	X
4	White	X
5	Blue	X



Product Features

- 2-Pair jacket cable
- Single end with customized cable end process
- RoHS compliant

Product Advantage

- Adequate fire-resistant and low smoke-producing characteristics
- Reduced flexibility & stiff and hard to bend.
- Suitable for building air for heating and cooling systems

Application Fields

- Used in building plenum spaces, aerospace, vehicles, energy, steel, non-ferrous metal smelting, oil, electrical and other fields of high temperature resistant wire and cable

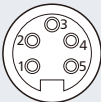
Cable Construction

- Fire-retardant, low-smoke PVC jacket, with FEP wire insulation
- Construction: 2 Pairs + Shield(AL)+Drain+Braids
- Conductor: Bare copper
- Gray cable jacket

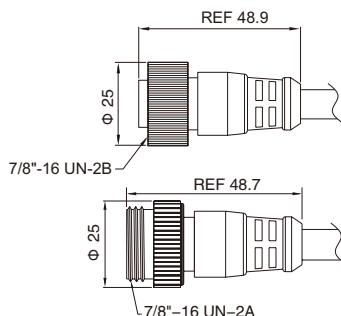
Technical Data

- Connector Series: 7/8"
- Contact No.: 5 Pins
- Coding: A
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Aluminum anodized black
- Connector Insert: TPU
- Over-molding: TPU
- Wire Color: 1Pair Red/Black; 1Pair Blue/White
- Jacket Color: Gray
- Jacket Material: PVC
- Shielding: Available
- IP Rating: IP67/IP69K
- Ambient Temperature(Operation):
 - 40℃~+75℃(Fixed Installation)
 - 20℃~+75℃(Flexible Installation)

Electronical & Mechanical Data

Contacts	Available Coding	Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	A (female)						
05 pins (7/8")		Crimp version	8A	300V	20AWGx1Pair + 24AWGx1Pair	PVC	Customized Cable Length

Plenum Cable: 7/8" Male Connector To Female Connector



Wirelist				
1	Shield	1		
2	Red	2		
3	Black	3		
4	White	4		
5	Blue	5		

Product Features

- 2-Pair jacket cable
- Double ends
- RoHS compliant

Product Advantage

- Adequate fire-resistant and low smoke-producing characteristics
- Reduced flexibility & stiff and hard to bend.
- Suitable for building air for heating and cooling systems

Application Fields

- Used in building plenum spaces, aerospace, vehicles, energy, steel, non-ferrous metal smelting, oil, electrical and other fields of high temperature resistant wire and cable

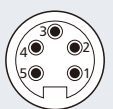
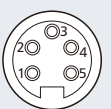
Cable Construction

- Fire-retardant, low-smoke PVC jacket, with FEP wire insulation
- Construction: 2 Pairs + Shield(AL)+Drain+Braids
- Conductor: Bare copper
- Gray cable jacket

Technical Data

- Connector Series: 7/8"
- Contact No.: 5 Pins
- Coding: A
- Contacts Material: Brass with gold plated
- Nut/Screw Material: Aluminum anodized black
- Connector Insert: TPU
- Over-molding: TPU
- Wire Color: 1Pair Red/Black; 1Pair Blue/White
- Jacket Color: Gray
- Jacket Material: PVC
- Shielding: Available
- IP Rating: IP67/IP69K
- Ambient Temperature(Operation):
 - 40℃~+75℃(Fixed Installation)
 - 20℃~+75℃(Flexible Installation)

Electronical & Mechanical Data

Contacts	Available Coding		Contacts Type	Rated current	Voltage	Wire gauge/size	Cable jacket	Cable length
	A(male)	A (female)						
05 pins (7/8")			Crimp version	8A	300V	20AWGx1Pair + 24AWGx1Pair	PVC	Customized Cable Length

Drag Chain Cables



Drag Chain cables

The highly flexible drag chain cable is suitable for robotics, frequently movable machine parts and the most modern of automated manufacturing systems, inside and outdoors, to meet the highest service life requirements.

The highly flexible drag chain cable can handle the transmission of control and monitoring signals as well as power supply, in any installation where combined torsion and bending stresses occur. It is suitable for connecting handling tools to welding robots and for connection to rotating or tilting tables or for other applications where undefined cable runs are necessary and the cable is subjected to twisting along its length.

Drag Chain of Cable (2 million drag chain cycles)

E323326 AWM STYLE 2095 18AWG VW-1 80°C 300V FINECABLES



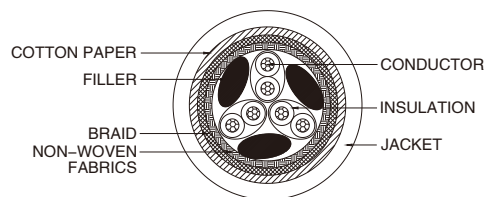
Cable Features

- Multi-strand ultra-fine copper wire is twisted in accordance with VDE0295, category 5, column 3 standard
- Filled cotton and coated fiber fabrics increase tensile and flexure resistance
- Good folding resistance, wear resistance, high and low temperature resistance, oil resistance, corrosion resistance and other comprehensive characteristics

Technical Data

- Insulation Resistance: Min 100M Ohm
- Temperature Range: -20°C~+80°C
- Bending Radius: 6.0*OD
- Number of Bending Cycles: ≥2,000,000
- UL and EU ROHS Compliant

Cable Construction



Advantage & Application

- Suitable for indoor or outdoor dry, moist and oily water mixture
- Suitable for frequent bending in industrial environment
- Used for power, control, measuring and regulating circuits
- Used in robots, servo systems, dragline systems and other special environments

Detailed Specifications

Type	Conductor			Wire Insulation		Assembly			Jacket	
	Conductor cross section (mm) ²	Materials	Cores	Materail	Insulation outside diameter	Aluminum foil	Wrap	Braids	Material	Color
Shielding double-stranded data transmission cable	0.14(26AWG)	Tinned Copper	2p/3p/4p/5p/6p/7p/8p/10p/13p	PVC	1	> 100%	Non-Woven fabrics	Tin Plated Copper ≥65%	PVC/PUR	Black
	0.2(24AWG)				1.1					
	0.3(22AWG)				1.2					
	0.5(20AWG)				1.5					
Shielded/unshielded control cable	0.14(26AWG)	Tinned Copper	2c/3c/4c/5c/6c/8c/10c/12c/16c/20c	PVC	1	> 100%	Non-Woven fabrics	Tin Plated Copper ≥65%	PVC/PUR	Black
	0.2(24AWG)				1.1					
	0.3(22AWG)				1.2					
	0.5(20AWG)				1.5					
	0.75(19AWG)				1.8					
	1(17AWG)				2					
	1.5(15AWG)				2.4					
Shielded/unshielded power cable	0.5(20AWG)	Bare Copper	2C/3C/4C	PVC	2	> 100%	Non-Woven fabrics	Tin Plated Copper ≥65%	PVC/PUR	Black
	0.75(19AWG)				2.2					
	1(17AWG)				2.4					
	1.5(15AWG)				2.8					
	2.5(13AWG)				3.6					
	4(11AWG)				4.4					

Drag Chain of Cable (5 million drag chain cycles)

E323326 AWM STYLE 2095 18AWG VW-1 80°C 300V FINECABLES



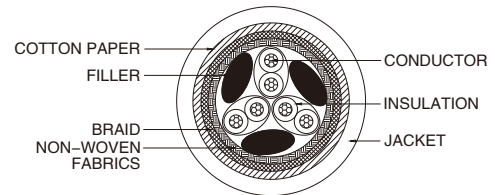
Cable Features

- Multi-strand ultra-fine copper wire is twisted in accordance with VDE0295, category 6, column 4 standard
- Filled cotton and coated fiber fabrics increase tensile and flexure resistance
- Good folding resistance, wear resistance, high and low temperature resistance, oil resistance, corrosion resistance and other comprehensive characteristics

Technical Data

- Insulation Resistance: Min 100M Ohm
- Temperature Range: -20°C~+80°C
- Bending Radius: 6.0*OD
- Number of Bending Cycles: ≥5,000,000
- UL and EU ROHS Compliant

Cable Construction



Advantage & Application

- Suitable for indoor or outdoor dry, moist and oily water mixture
- Suitable for frequent bending in industrial environment
- Used for power, control, measuring and regulating circuits
- Used in robots, servo systems, dragline systems and other special environments

Detailed Specifications

Type	Conductor			Wire Insulation		Assembly			Jacket	
	Conductor cross section (mm) ²	Materials	Cores	Materail	Insulation outside diameter	Filler	Wrap	Braids	Material	Color
Shielding double-stranded data transmission cable	0.14(26AWG)	Tinned Copper	2p/3p/4p/5p/6p/7p/8p/10p/12p/13p/15p	PVC	1	Cotton textile and fiber coated fabrics	Non-Woven fabrics	Tin Plated Copper ≥85%	PVC/PUR	Black
	0.2(24AWG)				1.1					
	0.3(22AWG)				1.2					
	0.5(20AWG)				1.5					
Shielded/unshielded control cable	0.2(24AWG)	Tinned Copper	2c/3c/4c/5c/6c/8c/10c/12c/16c/20c	PVC	1.1	Cotton textile and fiber coated fabrics	Non-Woven fabrics	Tin Plated Copper ≥85%	PVC/PUR	Black
	0.3(22AWG)				1.2					
	0.5(20AWG)				1.5					
	0.75(19AWG)				1.8					
	1(17AWG)				2					
	1.5(15AWG)				2.4					
Shielded/unshielded power cable	0.5(20AWG)	Bare Copper	2C/4C	PVC	2	Cotton textile and fiber coated fabrics	Non-Woven fabrics	Tin Plated Copper ≥85%	PVC/PUR	Black
	0.75(19AWG)				2.2					
	1(17AWG)				2.4					
	1.5(15AWG)				2.8					
	2.5(13AWG)				3.6					
	4(11AWG)				4.4					

Drag Chain of Cable (10 million drag chain cycles)

E323326 AWM STYLE 2095 18AWG VW-1 80°C 300V FINECABLES



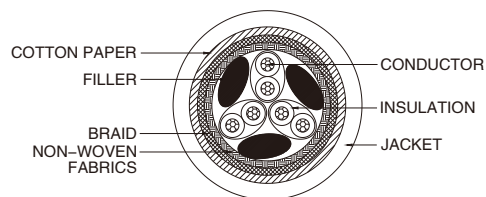
Cable Features

- Multi-strand ultra-fine copper wire is twisted in accordance with VDE0295, category 6, column 5 standard
- Filled cotton and coated fiber fabrics increase tensile and flexure resistance
- Good folding resistance, wear resistance, high and low temperature resistance, oil resistance, corrosion resistance and other comprehensive characteristics

Technical Data

- Insulation Resistance: Min 100M Ohm
- Temperature Range: -20°C~+80°C
- Bending Radius: 6.0*OD
- Number of Bending Cycles: ≥10,000,000
- UL and EU ROHS Compliant

Cable Construction



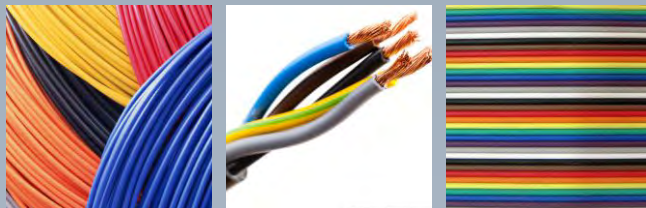
Advantage & Application

- Suitable for indoor or outdoor dry, moist and oily water mixture
- Suitable for frequent bending in industrial environment
- Used for power, control, measuring and regulating circuits
- Used in robots, servo systems, dragline systems and other special environments

Detailed Specifications

Type	Conductor			Wire Insulation		Assembly			Jacket	
	Conductor cross section (mm) ²	Materials	Cores	Materail	Insulation outside diameter	Filler	Wrap	Braids	Material	Color
Shielding double-stranded data transmission cable	0.2(24AWG)	Tinned Copper	2p/3p/4p/5p/6p/7p/	PVC	1.1	Cotton textile and fiber coated fabrics	Non-Woven fabrics	Tin Plated Copper ≥85%	PVC/PUR	Green
	0.3(22AWG)				1.2					
	0.5(20AWG)				1.5					
Shielded/unshielded control cable	0.2(24AWG)	Tinned Copper	2c/3c/4c/5c/6c/8c/10c/12c/16c/20c	PVC	1.1	Cotton textile and fiber coated fabrics	Non-Woven fabrics	Tin Plated Copper ≥85%	PVC/PUR	Grey
	0.3(22AWG)				1.2					
	0.5(20AWG)				1.5					
	0.75(19AWG)				1.8					
	1(17AWG)				2					
Shielded/unshielded power cable	0.5(20AWG)	Bare Copper	2C/4C	PVC	2	Cotton textile and fiber coated fabrics	Non-Woven fabrics	Tin Plated Copper ≥85%	PVC/PUR	Orange
	0.75(19AWG)				2.2					
	1(17AWG)				2.4					
	1.5(15AWG)				2.8					
	2.5(13AWG)				3.6					
	4(11AWG)				4.4					

Multi-conductor Cables



PVC Jacket cables

The application areas for this thermoplast in the plastics industry are diverse. There are various types of PVC used in the wire and cable industry. National (DIN VDE) and International (IEC) Standards Authorities have specified PVC parameters for the different PVC mixtures.

PVC jacket cables are used for the transmission of measuring, control and voice signals in electronic control appliances, in electronics of data processing systems, for paging and intercom systems, weighing installations, office machines, etc. The cables can be used for fixed installations and flexible applications with free movement, without tensile load and mechanically guided movement in dry, damp and wet rooms. PVC data cables are not suitable for outdoor use.

UL20276 Multi-Conductor Cable

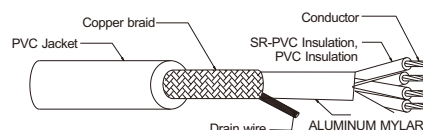


Product Description

- Tinned, annealed, stranded copper conductor.
- First type core: PP or PE insulation
- Second type core: sr-PVC insulation
- Cores cabled under aluminum mylar shield
- Tinned or BARE copper drain wire.
- Tinned or bare copper braid shield.
- PVC jacket.
- Rated temperature: 80°C, Rated voltage: 30Volts
- Pass UL VW-1&CSA FT1 vertical flame test

Applications

- For internal wiring or external wiring of class 2 systems equipment and electronic equipment



Technical Data

UL Style& CSA Type	Cores	Conductor		Insulation Thickness	Nom. Dia	Drain Wire	Overall Shield		Jacket Thickness	Overall Diameter	Conductor Resistance at 20°C
		Gauge	No./OD				Material	Spiral/Braids			
		AWG	No./mm				mm	Coverage			
UL20276CSA (Stranded)	3P	26	7/0.16	0.26	1.00	/	PAPER	80.00%	1.05	6.40	150.00
	1C	26	7/0.16	0.26	1.00	/	PAPER	80.00%	1.05	6.40	150.00
UL20276CSA (Stranded)	3P	28	7/0.127	0.12	0.65	7/0.16	AL	85.00%	0.56	4.70	239.00
	9C	28	7/0.127	0.12	0.65	7/0.16	AL	85.00%	0.56	4.70	239.00
UL20276CSA (Stranded)	12P	28	7/0.127	0.12	0.65	7/0.20	AL	85.00%	1.00	6.70	239.00
	1C	28	7/0.127	0.12	0.65	7/0.20	AL	85.00%	1.00	6.70	239.00
UL20276CSA (Stranded)	6P	28	7/0.127	0.12	0.65	7/0.127	PET	70.00%	0.70	4.70	239.00
UL20276CSA (Stranded)	7P	28	7/0.127	0.12	0.65	/	PAPER	85.00%	0.95	5.30	239.00
UL20276CSA (Stranded)	8P	28	7/0.10	0.12	0.65	7/0.127	PET	85.00%	0.70	5.00	239.00
UL20276CSA (Stranded)	13P	28	7/0.127	0.12	0.65	7/0.20	AL	85.00%	0.92	7.00	239.00
UL20276CSA (Stranded)	18P	28	7/0.127	0.12	0.65	/	AL	85.00%	0.76	7.40	239.00
UL20276CSA (Stranded)	19P	30	7/0.10	0.15	0.60	7/0.127	AL	85.00%	1.28	8.50	381.00
UL20276CSA (Stranded)	25P	30	7/0.10	0.15	0.60	7/0.127	AL	85.00%	1.39	9.50	381.00
UL20276CSA (Stranded)	25P	28	7/0.127	0.12	0.65	/	AL	85.00%	0.72	8.20	239.00

UL2464 Multi-Conductor Cable



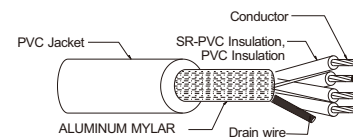
UL **CE** **RoHS**

■ Product Description

- Tinned, annealed, stranded or solid copper conductor.
- Semi-rigid PVC insulation or PVC insulation
- Cores cabled under aluminum mylar shield
- Tinned stranded copper drain wire.
- PVC jacket unpaired computer and data transmission cable.
- Rated temperature: 80°C. Rated voltage: 300Volts
- Pass UL VW-1&CSA FT1 vertical flame test

■ Product Description

- Sound broadcast, audio instrumentation and computer cables for RS-232 applications.



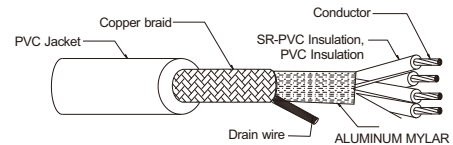
UL **CE** **RoHS**

■ Product Description

- Tinned, annealed, stranded or solid copper conductor.
- Semi-rigid PVC insulation or PVC insulation
- Tinned stranded copper drain wire.
- Tinned copper braid shield, 65% coverage.
- PVC jacket computer and data transmission cable.
- Rated temperature: 80°C. Rated voltage: 300Volts
- Pass UL VW-1&CSA FT1 vertical flame test

■ Product Description

- Sound broadcast, audio instrumentation and computer cables for RS-232 applications.



Technical Data

UL Style& CSA Type	Gauge	Conductor		Insulation Thickness	Jacket Thickness	Overall Diameter	Electrostatic Capacity		Conductor Resistance at 20°C
		No./OD	Cores				A	B	Ω/KM
	AWG	No./mm		mm	mm	mm			
UL2464CSA AWM I/II A (Stranded)	28	7/0.10	3	0.25	0.80	3.70	28	51	239.00
			4	0.25	0.80	3.90	28	51	
			5	0.25	0.80	4.20	28	51	
			6	0.25	0.80	4.50	26	47	
			7	0.25	0.80	4.50	26	47	
			8	0.25	0.80	4.80	26	47	
			9	0.25	0.80	5.10	26	47	
			10	0.25	0.80	5.20	26	47	
			15	0.25	0.80	5.80	26	47	
			25	0.25	1.00	7.60	26	47	
			37	0.25	1.00	8.30	26	47	
50	0.25	1.00	9.50	26	47				
UL2464CSA AWM I/II A (Stranded)	26	7/0.16	3	0.25	0.80	3.90	32	52	150.00
			4	0.25	0.80	4.20	32	52	
			5	0.25	0.80	4.50	32	52	
			6	0.25	0.80	4.80	28	51	
			7	0.25	0.80	4.80	28	51	
			8	0.25	0.80	5.10	28	51	
			9	0.25	0.80	5.40	28	51	
			10	0.25	0.85	5.70	28	51	
			15	0.25	1.00	6.40	28	51	
			25	0.25	1.00	8.00	28	51	
			37	0.25	1.00	9.20	28	51	
50	0.25	1.00	10.40	28	51				
UL2464CSA AWM I/II A (Stranded)	24	11/0.16	3	0.25	0.80	4.20	33	65	94.20
			4	0.25	0.80	4.50	33	65	
			5	0.25	0.80	4.90	33	65	
			6	0.25	0.80	5.20	33	65	
			7	0.25	0.80	5.20	33	65	
			8	0.25	0.80	5.50	33	65	
			9	0.25	0.85	5.80	30	55	
			10	0.25	0.85	6.20	30	55	
			15	0.25	0.85	6.90	30	55	
			25	0.25	1.00	8.60	30	55	
			37	0.25	1.00	9.80	30	55	
50	0.25	1.00	11.40	30	55				
UL2464CSA AWM I/II A (Stranded)	22	7/0.25	3	0.25	0.80	4.70	37	67	59.40
			4	0.25	0.80	5.10	37	67	
			5	0.25	0.80	5.50	37	67	
			6	0.25	0.80	5.80	35	63	
			7	0.25	0.80	5.80	35	63	
			8	0.25	0.85	6.30	35	63	
			9	0.25	0.85	6.70	35	63	
			10	0.25	0.85	6.80	35	63	
			15	0.25	0.85	7.80	35	63	
			25	0.25	1.00	10.00	35	63	
			37	0.25	1.00	11.30	35	63	
50	0.25	1.00	12.90	35	63				
UL2464CSA AWM I/II A (Stranded)	18	34/0.178	2	0.25	0.80	5.80	70	120	23.20
			3	0.25	0.80	6.00	70	120	
			4	0.25	0.80	6.70	70	120	
			5	0.25	0.80	7.30	70	120	

UL2517 Multi-Conductor Shielded Cable

UL AWM 2517 VW-1 105°C 300V E343967 FINECABLES

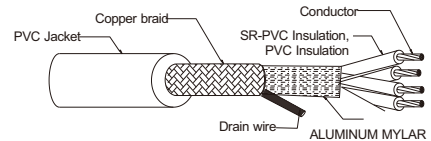


Product Description

- Tinned, annealed, stranded or solid copper conductor.
- PVC insulation
- PVC jacket
- Tinned or bare copper wire spiral or braid shield
- Rated temperature: 105°C Rated voltage: 300Volts
- Pass UL VW-1&CSA FT1 vertical flame test

Applications

- For internal wiring of computer, audio&video equipment.



Technical Data

UL Style& CSA Type	Cores	Conductor		Insulation Thickness mm	Nom. Dia mm	Shield Coverage %	Jacket Thickness mm	Overall Diameter mm	Conductor Resistance at 20°C Ω/KM
		Gauge	No./OD						
		AWG	No./mm						
UL2517CSA (Stranded)	2C	30	7/0.100	0.41	1.10	≥65	0.76	4.40	381.00
		28	7/0.127	0.41	1.20	≥65	0.76	4.50	239.00
		26	7/0.16	0.43	1.30	≥65	0.76	4.80	150.00
		24	11/0.16	0.41	1.40	≥65	0.76	5.00	94.20
		22	17/0.16	0.43	1.60	≥65	0.76	5.40	59.40
		20	21/0.178	0.41	1.80	≥65	0.76	5.80	36.70
		18	34/0.178	0.41	2.10	≥65	0.76	6.40	23.20
		16	26/0.25	0.41	2.40	≥65	0.76	7.00	14.60
UL2517CSA (Stranded)	3C	30	7/0.100	0.41	1.10	≥65	0.76	4.60	381.00
		28	7/0.127	0.41	1.20	≥65	0.76	4.80	239.00
		26	7/0.16	0.41	1.30	≥65	0.76	5.00	150.00
		24	11/0.16	0.43	1.40	≥65	0.76	5.20	94.20
		22	17/0.16	0.41	1.60	≥65	0.76	5.60	59.40
		20	21/0.178	0.41	1.80	≥65	0.76	6.00	36.70
		18	34/0.178	0.41	2.10	≥65	0.76	6.70	23.20
UL2517CSA (Stranded)	4C	30	7/0.100	0.41	1.10	≥65	0.76	4.80	381.00
		28	7/0.127	0.41	1.20	≥65	0.76	5.00	239.00
		26	7/0.16	0.41	1.30	≥65	0.76	5.30	150.00
		24	11/0.16	0.41	1.40	≥65	0.76	5.60	94.20
		22	17/0.16	0.41	1.60	≥65	0.76	6.00	59.40
		20	21/0.178	0.41	1.80	≥65	0.76	6.50	36.70
UL2517CSA (Stranded)	5C	30	7/0.100	0.41	1.10	≥65	0.76	5.20	381.00
		28	7/0.127	0.41	1.20	≥65	0.76	5.40	239.00
		26	7/0.16	0.41	1.30	≥65	0.76	5.70	150.00
		24	11/0.16	0.41	1.40	≥65	0.76	6.00	94.20
		22	17/0.16	0.41	1.60	≥65	0.76	6.50	59.40
UL2517CSA (Stranded)	6C	30	7/0.100	0.41	1.10	≥65	0.76	5.50	381.00
		28	7/0.127	0.41	1.20	≥65	0.76	5.80	239.00
		26	7/0.16	0.41	1.30	≥65	0.76	6.00	150.00
		24	11/0.16	0.41	1.40	≥65	0.76	6.40	94.20

UL2547 Multi-Conductor Shielded Cable

UL AWM 2547 VW-1 80°C E343967 FINECABLES

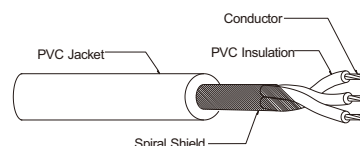


Product Description

- Tinned, annealed, stranded or solid copper conductor.
- SR-PVC insulation
- Two to Three cores
- PVC jacket
- Tinned or bare copper wire, spiral shield
- Rated temperature: 80°C. Rated voltage: Not specified
- Pass UL VW-1&CSA FT1 vertical flame test

Applications

- For use in recording studios, sound systems and electronic circuits



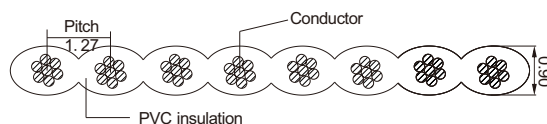
Technical Data

UL Style& CSA Type	Cores	Conductor		Insulation Thickness	Nom. Dia	Spiral Shield	Jacket Thickness	Overall Diameter	Conductor Resistance at 20°C
		Gauge	No./OD						
		AWG	No./mm						
UL2547CSA I A/B (Stranded)	2C	30	7/0.10	0.26	0.85	44/0.1	0.40	2.70	381.00
		28	7/0.127	0.26	0.90	46/0.1	0.40	2.80	239.00
		26	7/0.16	0.26	1.00	54/0.1	0.40	3.00	150.00
		24	11/0.16	0.26	1.15	62/0.1	0.40	3.30	94.20
		22	17/0.16	0.26	1.30	60/0.12	0.40	3.60	59.40
		20	21/0.178	0.26	1.50	72/0.12	0.40	4.00	36.70
		18	34/0.178	0.26	1.70	82/0.12	0.40	4.50	23.20
		16	26/0.25	0.26	2.10	98/0.12	0.40	5.10	14.60
UL2547CSA I A/B (Stranded)	3C	30	7/0.10	0.26	0.85	49/0.1	0.40	2.80	381.00
		28	7/0.127	0.26	0.90	53/0.1	0.40	3.00	239.00
		26	7/0.16	0.26	1.00	54/0.1	0.40	3.00	150.00
		24	11/0.16	0.26	1.15	69/0.1	0.40	3.50	94.20
		22	17/0.16	0.26	1.30	72/0.12	0.40	3.80	59.40
		20	21/0.178	0.26	1.50	82/0.12	0.40	4.20	36.70
		18	34/0.178	0.26	1.70	96/0.12	0.40	4.70	23.20
		16	26/0.25	0.26	2.10	114/0.12	0.40	5.40	14.60

UL2651 Flat Ribbon Wire



UL **CE** **RoHS**



■ Product Description

- Tinned, annealed, stranded or solid copper conductor, Top-coated.
- Rated temperature: 105°C.
- Rated voltage: 300Volts
- Pass UL VW-1&CSA FT1, vertical flame test

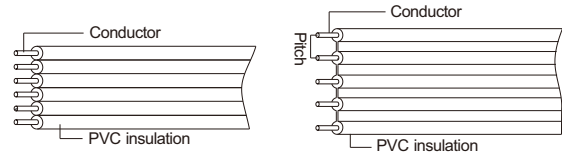
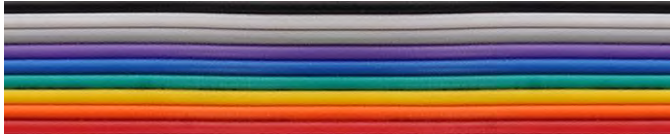
■ Applications

- For use in internal wiring of appliances, computers.

■ Technical Data

UL Style& CSA Type	Gauge	Conductor	Pitch	Cores	Insulation Thickness	Overall Diameter	Conductor Resistance at 20°C
	AWG	No./OD					
UL2651 CSA AWM I/A	28	7/0.127	1.27	9	0.23	0.9×11.43	150.00
	28	7/0.127		10		0.9×12.7	
	28	7/0.127		14		0.9×17.78	
	28	7/0.127		15		0.9×19.05	
	28	7/0.127		16		0.9×20.32	
	28	7/0.127		20		0.9×25.4	
	28	7/0.127		25		0.9×31.75	
	28	7/0.127		26		0.9×33.02	
	28	7/0.127		30		0.9×38.1	
	28	7/0.127		34		0.9×43.18	
	28	7/0.127		36		0.9×45.72	
	28	7/0.127		40		0.9×50.8	
	28	7/0.127		50		0.9×63.5	
	28	7/0.127		60		0.9×76.2	

UL2468 Flat Ribbon Wire



Product Description

- Tinned, annealed, stranded or solid copper conductor.
- Rated temperature: 80°C or 105°C
- Rated voltage: 300Volts
- Pass UL VW-1&CSA FT1, FT2 vertical flame test

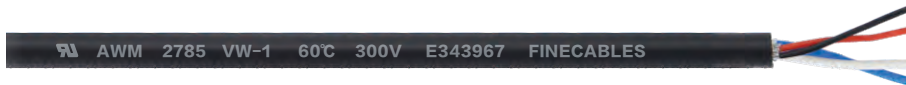
Applications

- For use in internal wiring of appliances, computers.

Technical Data

UL Style& CSA Type	Gauge	Conductor	Pitch	Cores	Insulation Thickness	Overall Diameter	Conductor Resistance at 20°C
		No./OD					
	AWG	No./mm	mm	No.	mm	mm	Ω/KM
UL2468 CSA AWM I/A	24	7/0.20 or 11/0.16	1.6 or 1.5	2	0.45	1.5×4.7/4.5	94.20
				3		1.5×4.7/4.5	
				4		1.5×6.3/6.0	
				5		1.5×7.9/7.5	
				6		1.5×9.5/9.0	
				7		1.5×11.1/10.5	
				8		1.5×12.7/12	
				9		1.5×14.3/13.5	
				10		1.5×15.9/15	
				11		1.5×17.5/16.5	
				12		1.5×19.1/18	
UL2468 CSA AWM I/A	24	7/0.20	2.00	2	0.45	1.5×3.5	94.20
				3		1.5×5.5	
				4		1.5×7.5	
				5		1.5×9.5	
				6		1.5×11.5	
				7		1.5×13.5	
				8		1.5×15.5	
				9		1.5×17.5	
				10		1.5×19.5	
				11		1.5×21.5	
				12		1.5×23.5	
				13		1.5×25.5	
				14		1.5×27.5	
				15		1.5×29.5	
				16		1.5×31.5	
				17		1.5×33.5	

UL2725/UL2785 Multi-conductor Shielded Cable

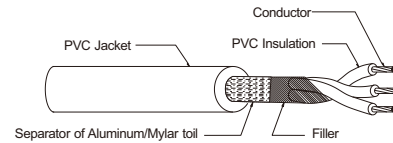


■ Product Description

- Tinned, annealed, stranded or solid copper conductor.
- SR-PVC insulation or PVC insulation
- PVC jacket
- Filler and paper separator applied.
- Rated temperature: 2725 60°C, 2785 60°C
- Rated voltage: 2725 30Volts, 2785 300Volts
- Pass UL VW-1&CSA FT1 vertical flame test

■ Applications

- For use in recording studios, sound systems and electronic circuits



■ Technical Data

UL Style& CSA Type	Cores	Conductor		Insulation Thickness	Nom. Dia	Jacket Thickness	Overall Diameter	Conductor Resistance at 20°C
		Gauge	No./OD					
		AWG	No./mm					
UL2725 UL2785 CSA (Stranded)	3C	30	7/0.10	0.18	0.70	0.51	3.40	381.00
	4C	30	7/0.10	0.18	0.70	0.51	3.40	381.00
	6C	30	7/0.10	0.18	0.70	0.51	3.60	381.00
	8C	30	7/0.10	0.18	0.70	0.51	3.80	381.00
	9C	30	7/0.10	0.18	0.70	0.51	4.00	381.00
UL2725 UL2785 CSA (Stranded)	3C	28	7/0.127	0.18	0.80	0.51	3.40	239.00
	4C	28	7/0.127	0.18	0.80	0.51	3.40	239.00
	6C	28	7/0.127	0.18	0.80	0.51	3.60	239.00
	8C	28	7/0.127	0.18	0.80	0.51	3.80	239.00
	9C	28	7/0.127	0.18	0.80	0.51	4.00	239.00

UL2661 Multi-conductor Shielded Cable

AWM 2661 VW-1 80°C 300V E343967 FINECABLES

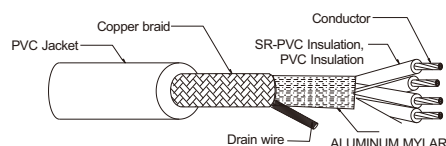


Product Description

- Tinned, annealed, stranded or solid copper conductor.
- PVC insulation
- PVC jacket
- Tinned or bare copper wire spiral or braid shield
- Rated temperature: 80°C, 90°C, 105°C. Rated voltage: 300Volts
- Pass UL VW-1&CSA FT1 vertical flame test

Applications

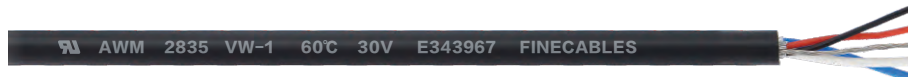
- For internal wiring of computer, audio & video equipment.



Technical Data

UL Style& CSA Type	Cores	Conductor		Insulation Thickness	Nom. Dia	Shield Coverage	Jacket Thickness	Overall Diameter	Conductor Resistance at 20°C
		Gauge	No./OD						
		AWG	No./mm			%	mm	mm	Ω/KM
UL2661CSA (Stranded)	2C	30	7/0.100	0.41	1.10	≥65	0.76	4.20	381.00
		28	7/0.127	0.41	1.20	≥65	0.76	4.50	239.00
		26	7/0.16	0.43	1.30	≥65	0.76	4.70	150.00
		24	11/0.16	0.41	1.40	≥65	0.76	5.00	94.20
		22	17/0.16	0.43	1.60	≥65	0.76	5.30	59.40
		20	21/0.178	0.41	1.80	≥65	0.76	5.70	36.70
		18	34/0.178	0.41	2.10	≥65	0.76	6.30	23.20
UL2661CSA (Stranded)	3C	16	26/0.25	0.41	2.40	≥65	0.76	6.90	14.60
		30	7/0.100	0.41	1.10	≥65	0.76	4.50	381.00
		28	7/0.127	0.41	1.20	≥65	0.76	4.70	239.00
		26	7/0.16	0.41	1.30	≥65	0.76	5.00	150.00
		24	11/0.16	0.43	1.40	≥65	0.76	5.20	94.20
		22	17/0.16	0.41	1.60	≥65	0.76	5.60	59.40
		20	21/0.178	0.41	1.80	≥65	0.76	6.00	36.70
UL2661CSA (Stranded)	4C	18	34/0.178	0.41	2.10	≥65	0.76	6.60	23.20
		30	7/0.100	0.41	1.10	≥65	0.76	4.80	381.00
		28	7/0.127	0.41	1.20	≥65	0.76	5.00	239.00
		26	7/0.16	0.41	1.30	≥65	0.76	5.20	150.00
		24	11/0.16	0.41	1.40	≥65	0.76	5.50	94.20
		22	17/0.16	0.41	1.60	≥65	0.76	6.00	59.40
UL2661CSA (Stranded)	5C	20	21/0.178	0.41	1.80	≥65	0.76	6.50	36.70
		30	7/0.100	0.41	1.10	≥65	0.76	5.20	381.00
		28	7/0.127	0.41	1.20	≥65	0.76	5.40	239.00
		26	7/0.16	0.41	1.30	≥65	0.76	5.60	150.00
		24	11/0.16	0.41	1.40	≥65	0.76	5.90	94.20
UL2661CSA (Stranded)	6C	22	17/0.16	0.41	1.60	≥65	0.76	6.50	59.40
		30	7/0.100	0.41	1.10	≥65	0.76	5.50	381.00
		28	7/0.127	0.41	1.20	≥65	0.76	5.70	239.00
		26	7/0.16	0.41	1.30	≥65	0.76	6.00	150.00
		24	11/0.16	0.41	1.40	≥65	0.76	6.30	94.20

UL2835 Multi-conductor Shielded Cable

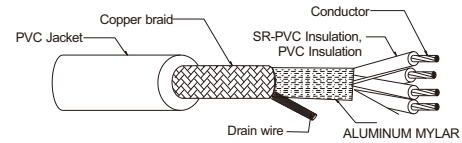


■ Product Description

- Tinned, annealed, stranded copper conductor or tinsel conductor.
- PVC or PE or PP insulation.
- Cores cabled under aluminum mylar shield.
- Tinned stranded copper drain wire.
- Tinned or bare copper braid shield.
- PVC jacket or Non-migration jacket available.
- Rated temperature: 60°C. Rated voltage: 30Volts
- Pass UL VW-1&CSA FT1 vertical flame test

■ Applications

- For internal wiring in class 2 circuits of electronic equipment or TV game machine data transmission



■ Technical Data

UL Style& CSA Type	Cores	Conductor		Insulation Thickness	Nom. Dia	Drain Wire	Overall shield		Jacket Thickness	Overall Diameter	Conductor Resistance at 20℃
		Gauge	No./OD				Material	Spiral/Braids			
		AWG	No./mm								
UL2835CSA (Stranded)	4C	28	7/0.127	0.22	0.82	/	AL	57/0.1	1.00	4.30	239.00
	4C	22	17/0.16	0.22	1.20	17/0.16	AL	/	0.45	4.00	59.40
	5C	28	19/0.08	0.2	0.80	/	PAPER	16/6/0.12	0.88	4.80	239.00
	6C	28	7/0.127	0.22	0.82	/	AL	79/0.1	0.68	4.30	239.00
	7C	28	7/0.127	0.26	0.90	7/0.127	/	75/0.12	0.90	5.00	239.00
	7C	32	TINSEL	0.22	1.00	7/0.127	/	16/7/0.1	0.75	5.20	563.00
	8C	28	19/0.08	0.23	0.86	/	PAPER	16/8/0.1	0.75	4.80	239.00
	9C	28	7/0.127	0.22	0.82	/	PAPER	81/0.12	0.75	4.90	239.00
	10C	28	7/0.127	0.26	0.90	7/0.127	AL	/	0.6	5.00	239.00

UL2851 Multi-Conductor Shielded Cable

AWM 2851 VW-1 80°C 30V E343967 FINECABLES

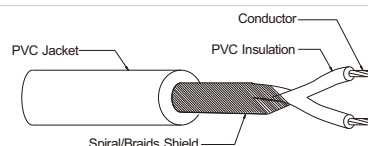


Product Description

- Tinned, annealed, stranded or solid copper conductor.
- PVC insulation
- PVC jacket
- Tinned or bare copper wire spiral shield
- Rated temperature: 80°C Rated voltage: 30Volts
- Pass UL VW-1&CSA FT1 vertical flame test

Applications

- For internal wiring of electronic equipment, in class 2 systems



Technical Data

UL Style& CSA Type	Cores	Conductor		Insulation Thickness	Nom. Dia	Spiral Shield	Jacket Thickness	Overall Diameter	Conductor Resistance at 20°C
		Gauge	No./OD						
		AWG	No./mm			No./mm			
UL2851CSA (Stranded)	2C	30	7/0.10	0.23	0.75	41/0.1	0.35	2.50	381.00
		28	7/0.127	0.26	0.90	46/0.1	0.35	2.80	239.00
		26	7/0.16	0.26	1.00	54/0.1	0.35	3.00	150.00
		24	11/0.16	0.26	1.15	62/0.1	0.35	3.20	94.20
		22	17/0.16	0.26	1.30	62/0.12	0.35	3.50	59.40
		20	21/0.178	0.26	1.50	72/0.12	0.35	4.00	36.70
UL2851CSA (Stranded)	3C	18	34/0.178	0.26	1.70	82/0.12	0.35	4.40	23.20
		30	7/0.10	0.23	0.75	46/0.1	0.35	2.60	381.00
		28	7/0.127	0.26	0.90	53/0.1	0.35	3.10	239.00
		26	7/0.16	0.26	1.00	62/0.1	0.35	3.10	150.00
		24	11/0.16	0.26	1.15	69/0.1	0.35	3.40	94.20
		22	17/0.16	0.26	1.30	72/0.12	0.35	3.70	59.40
UL2851CSA (Stranded)	4C	20	21/0.178	0.26	1.50	82/0.12	0.35	4.10	36.70
		18	34/0.178	0.26	1.70	96/0.12	0.35	4.60	23.20
		30	7/0.10	0.23	0.75	56/0.1	0.35	2.80	381.00
		28	7/0.127	0.26	0.90	56/0.12	0.35	3.10	239.00
		26	7/0.16	0.26	1.00	63/0.12	0.35	3.40	150.00
		24	11/0.16	0.26	1.15	71/0.12	0.35	3.70	94.20
UL2851CSA (Stranded)	5C	22	17/0.16	0.26	1.30	81/0.12	0.35	4.10	59.40
		20	21/0.178	0.26	1.50	92/0.12	0.35	4.50	36.70
		18	34/0.178	0.26	1.70	107/0.12	0.35	5.10	23.20
		30	7/0.10	0.23	0.75	68/0.1	0.35	3.00	381.00
		28	7/0.127	0.26	0.90	62/0.12	0.35	3.40	239.00
		26	7/0.16	0.26	1.00	71/0.12	0.35	3.70	150.00
UL2851CSA (Stranded)	6C	24	11/0.16	0.26	1.15	79/0.12	0.35	4.00	94.20
		22	17/0.16	0.26	1.30	88/0.12	0.35	4.40	59.40
		20	21/0.178	0.26	1.50	101/0.12	0.35	4.80	36.70
		18	34/0.178	0.26	1.70	114/0.12	0.35	5.40	23.20
		30	7/0.10	0.23	0.75	59/0.12	0.35	3.20	381.00
		28	7/0.127	0.26	0.90	71/0.12	0.35	3.70	239.00
UL2851CSA (Stranded)	7C	26	7/0.16	0.26	1.00	79/0.12	0.35	4.00	150.00
		24	11/0.16	0.26	1.15	88/0.12	0.35	4.40	94.20
		22	17/0.16	0.26	1.30	101/0.12	0.35	4.80	59.40
		20	21/0.178	0.26	1.50	114/0.12	0.35	5.40	36.70
		30	7/0.10	0.23	0.75	59/0.12	0.35	4.50	381.00
		28	7/0.127	0.26	0.90	71/0.12	0.35	3.20	239.00

UL2854 Multi-Conductor Shielded Cable

UL AWM 2854 VW-1 80°C 30V E343967 FINECABLES

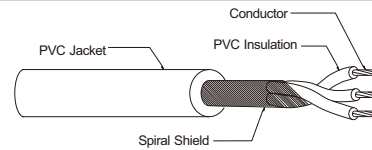


Product Description

- Tinned, annealed, stranded or solid copper conductor.
- SR-PVC insulation or PVC insulation
- PVC jacket
- Tinned or bare copper wire spiral shield
- Rated temperature: 80°C. Rated voltage: 30Volts
- Pass UL VW-1&CSA FT1 vertical flame test

Applications

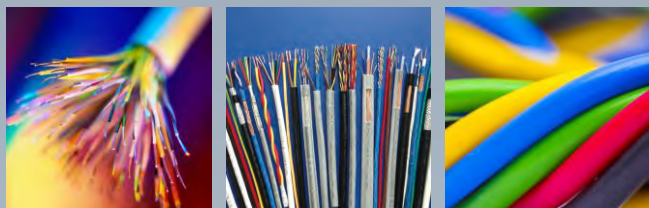
- For internal wiring of electronic equipment, in class 2 systems



Technical Data

UL Style& CSA Type	Cores	Conductor		Insulation Thickness mm	Nom. Dia mm	Spiral Shield No./mm	Jacket Thickness mm	Overall Diameter mm	Conductor Resistance at 20°C Ω/KM
		Gauge	No./OD						
		AWG	No./mm						
UL2851CSA (Stranded)	2C	30	7/0.10	0.23	0.75	41/0.1	0.35	2.50	381.00
		28	7/0.127	0.26	0.90	46/0.1	0.35	2.80	239.00
		26	7/0.16	0.26	1.00	54/0.1	0.35	3.00	150.00
		24	11/0.16	0.26	1.15	62/0.1	0.35	3.20	94.20
		22	17/0.16	0.26	1.30	62/0.12	0.35	3.50	59.40
		20	21/0.178	0.26	1.50	72/0.12	0.35	4.00	36.70
UL2851CSA (Stranded)	3C	18	34/0.178	0.26	1.70	82/0.12	0.35	4.40	23.20
		30	7/0.10	0.23	0.75	46/0.1	0.35	2.60	381.00
		28	7/0.127	0.26	0.90	53/0.1	0.35	3.10	239.00
		26	7/0.16	0.26	1.00	62/0.1	0.35	3.10	150.00
		24	11/0.16	0.26	1.15	69/0.1	0.35	3.40	94.20
		22	17/0.16	0.26	1.30	72/0.12	0.35	3.70	59.40
UL2851CSA (Stranded)	4C	20	21/0.178	0.26	1.50	82/0.12	0.35	4.10	36.70
		18	34/0.178	0.26	1.70	96/0.12	0.35	4.60	23.20
		30	7/0.10	0.23	0.75	56/0.1	0.35	2.80	381.00
		28	7/0.127	0.26	0.90	56/0.12	0.35	3.10	239.00
		26	7/0.16	0.26	1.00	63/0.12	0.35	3.40	150.00
		24	11/0.16	0.26	1.15	71/0.12	0.35	3.70	94.20
UL2851CSA (Stranded)	5C	22	17/0.16	0.26	1.30	81/0.12	0.35	4.10	59.40
		20	21/0.178	0.26	1.50	92/0.12	0.35	4.50	36.70
		18	34/0.178	0.26	1.70	107/0.12	0.35	5.10	23.20
		30	7/0.10	0.23	0.75	68/0.1	0.35	3.00	381.00
		28	7/0.127	0.26	0.90	62/0.12	0.35	3.40	239.00
		26	7/0.16	0.26	1.00	71/0.12	0.35	3.70	150.00
UL2851CSA (Stranded)	6C	24	11/0.16	0.26	1.15	79/0.12	0.35	4.00	94.20
		22	17/0.16	0.26	1.30	90/0.12	0.35	4.40	59.40
		20	21/0.178	0.26	1.50	103/0.12	0.35	4.90	36.70
		18	34/0.178	0.26	1.70	120/0.12	0.35	5.60	23.20
		30	7/0.10	0.23	0.75	59/0.12	0.35	3.20	381.00
		28	7/0.127	0.26	0.90	71/0.12	0.35	3.70	239.00
UL2851CSA (Stranded)	7C	26	7/0.16	0.26	1.00	79/0.12	0.35	4.00	150.00
		24	11/0.16	0.26	1.15	88/0.12	0.35	4.40	94.20
		22	17/0.16	0.26	1.30	101/0.12	0.35	4.80	59.40
		20	21/0.178	0.26	1.50	114/0.12	0.35	5.40	36.70
		30	7/0.10	0.23	0.75	59/0.12	0.35	4.50	381.00
		28	7/0.127	0.26	0.90	71/0.12	0.35	3.20	239.00
UL2851CSA (Stranded)	7C	26	7/0.16	0.26	1.00	79/0.12	0.35	4.00	150.00
		24	11/0.16	0.26	1.15	88/0.12	0.35	4.40	94.20
		22	17/0.16	0.26	1.30	101/0.12	0.35	4.80	59.40
		20	21/0.178	0.26	1.50	114/0.12	0.35	5.40	36.70

Multi-conductor Cables



PUR Jacket cables

Polyurethane has become increasingly important in the cable industry over the past years. This material shows at certain temperatures mechanical characteristics similar to rubber. The combination of thermoplastic and elastic characteristics has led to the description TPE thermoplastic elastomere.

These cables are designed for flexible uses and free movements under medium mechanical stress. The PUR jacket enables the cable to be with the good abrasion and tear resistant features, making them suitable to be used in the machinery, tool making and plant industry.

UL20233 Multi-conductor Shielded Cable

AWM 20233 VW-1 80°C 300V E343967 FINECABLES

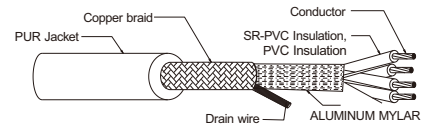


Product Description

- Tinned, annealed, stranded or solid copper conductor.
- PVC insulation
- PUR jacket
- Tinned or bare copper wire spiral or braid shield
- Rated temperature: 80°C, Rated voltage: 300Volts
- Pass UL VW-1&CUL FT2 vertical flame test

Applications

- For external wiring of systems equipment and electronic equipment



Technical Data

UL Style& CSA Type	Cores	Conductor		Insulation Thickness	Nom. Dia	Shield Coverage	Jacket Thickness	Overall Diameter	Conductor Resistance at 20°C
		Gauge	No./OD						
		AWG	No./mm						
UL20233CUL (Stranded)	2C	30	7/0.100	0.76	1.90	≥65	1.15	6.20	381.00
		28	7/0.127	0.76	2.00	≥65	1.15	6.40	239.00
		26	7/0.16	0.76	2.10	≥65	1.15	6.60	150.00
		24	11/0.16	0.76	2.20	≥65	1.15	6.80	94.20
		22	17/0.16	0.76	2.40	≥65	1.15	7.20	59.40
		20	21/0.178	0.76	2.50	≥65	1.15	7.40	36.70
		18	34/0.178	0.76	2.80	≥65	1.15	8.00	23.20
		16	26/0.25	0.76	3.10	≥65	1.15	8.50	14.60
UL20233CUL (Stranded)	3C	30	7/0.100	0.76	1.90	≥65	1.15	6.40	381.00
		28	7/0.127	0.76	2.00	≥65	1.15	6.60	239.00
		26	7/0.16	0.76	2.10	≥65	1.15	6.80	150.00
		24	11/0.16	0.76	2.20	≥65	1.15	7.00	94.20
		22	17/0.16	0.76	2.40	≥65	1.15	7.60	59.40
		20	21/0.178	0.76	2.50	≥65	1.15	7.80	36.70
		18	34/0.178	0.76	2.80	≥65	1.15	8.50	23.20
UL20233CUL (Stranded)	4C	30	7/0.100	0.76	1.90	≥65	1.15	7.00	381.00
		28	7/0.127	0.76	2.00	≥65	1.15	7.20	239.00
		26	7/0.16	0.76	2.10	≥65	1.15	7.40	150.00
		24	11/0.16	0.76	2.20	≥65	1.15	7.60	94.20
		22	17/0.16	0.76	2.40	≥65	1.15	8.20	59.40
		20	21/0.178	0.76	2.50	≥65	1.15	8.50	36.70
UL20233CUL (Stranded)	5C	30	7/0.100	0.76	1.90	≥65	1.15	7.60	381.00
		28	7/0.127	0.76	2.00	≥65	1.15	7.80	239.00
		26	7/0.16	0.76	2.10	≥65	1.15	8.00	150.00
		24	11/0.16	0.76	2.20	≥65	1.15	8.40	94.20
UL20233CUL (Stranded)	6C	22	17/0.16	0.76	2.40	≥65	1.15	8.80	59.40
		30	7/0.100	0.76	1.90	≥65	1.15	8.00	381.00
		28	7/0.127	0.76	2.00	≥65	1.15	8.40	239.00
		26	7/0.16	0.76	2.10	≥65	1.15	8.60	150.00
		24	11/0.16	0.76	2.20	≥65	1.15	9.00	94.20

UL20234 Multi-Conductor Shielded Cable

AWM 20234 VW-1 80°C 600V E343967 FINECABLES

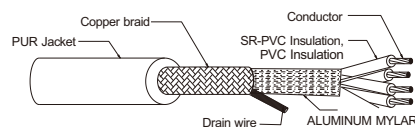


Product Description

- Tinned, annealed, stranded or solid copper conductor.
- PVC insulation
- PUR jacket
- Tinned or bare copper wire spiral or braid shield
- Rated temperature: 80°C, Rated voltage: 600Volts, 1000Volts
- Pass UL VW-1&CUL FT2 vertical flame test

Applications

- For external wiring of systems equipment and electronic equipment



Technical Data

UL Style& CSA Type	Cores	Conductor		Insulation Thickness	Nom. Dia	Shield Coverage	Jacket Thickness	Overall Diameter	Conductor Resistance at 20°C
		Gauge	No./OD						
		AWG	No./mm						
UL20234CUL (Stranded)	2C	30	7/0.100	0.76	1.90	≥65	1.15	6.20	381.00
		28	7/0.127	0.76	2.00	≥65	1.15	6.40	239.00
		26	7/0.16	0.76	2.10	≥65	1.15	6.60	150.00
		24	11/0.16	0.76	2.20	≥65	1.15	6.80	94.20
		22	17/0.16	0.76	2.40	≥65	1.15	7.20	59.40
		20	21/0.178	0.76	2.50	≥65	1.15	7.40	36.70
		18	34/0.178	0.76	2.80	≥65	1.15	8.00	23.20
		16	26/0.25	0.76	3.10	≥65	1.15	8.50	14.60
UL20234CUL (Stranded)	3C	30	7/0.100	0.76	1.90	≥65	1.15	6.40	381.00
		28	7/0.127	0.76	2.00	≥65	1.15	6.60	239.00
		26	7/0.16	0.76	2.10	≥65	1.15	6.80	150.00
		24	11/0.16	0.76	2.20	≥65	1.15	7.00	94.20
		22	17/0.16	0.76	2.40	≥65	1.15	7.60	59.40
		20	21/0.178	0.76	2.50	≥65	1.15	7.80	36.70
		18	34/0.178	0.76	2.80	≥65	1.15	8.50	23.20
UL20234CUL (Stranded)	4C	30	7/0.100	0.76	1.90	≥65	1.15	7.00	381.00
		28	7/0.127	0.76	2.00	≥65	1.15	7.20	239.00
		26	7/0.16	0.76	2.10	≥65	1.15	7.40	150.00
		24	11/0.16	0.76	2.20	≥65	1.15	7.60	94.20
		22	17/0.16	0.76	2.40	≥65	1.15	8.20	59.40
		20	21/0.178	0.76	2.50	≥65	1.15	8.50	36.70
UL20234CUL (Stranded)	5C	30	7/0.100	0.76	1.90	≥65	1.15	7.60	381.00
		28	7/0.127	0.76	2.00	≥65	1.15	7.80	239.00
		26	7/0.16	0.76	2.10	≥65	1.15	8.00	150.00
		24	11/0.16	0.76	2.20	≥65	1.15	8.40	94.20
UL20234CUL (Stranded)	6C	22	17/0.16	0.76	2.40	≥65	1.15	8.80	59.40
		30	7/0.100	0.76	1.90	≥65	1.15	8.00	381.00
		28	7/0.127	0.76	2.00	≥65	1.15	8.40	239.00
		26	7/0.16	0.76	2.10	≥65	1.15	8.60	150.00
		24	11/0.16	0.76	2.20	≥65	1.15	9.00	94.20

UL20236 Multi-Conductor Shielded Cable

UL AWM 20236 VW-1 80°C 30V E343967 FINECABLES

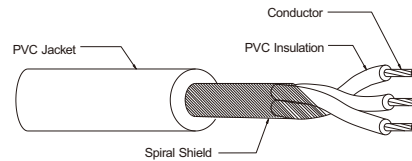


■ Product Description

- Tinned, annealed, stranded or solid copper conductor.
- PP PE FR-PE PVC insulation
- PUR jacket
- Tinned or bare copper wire spiral or braid shield
- Rated temperature: 80°C, Rated voltage: 30Volts
- Pass UL VW-1&CUL FT2 vertical flame test

■ Applications

- For external wiring of systems equipment and electronic equipment



■ Technical Data

UL Style& CSA Type	Cores	Conductor		Insulation Thickness	Nom. Dia	Shield Coverage	Jacket Thickness	Overall Diameter	Conductor Resistance at 20°C
		Gauge	No./OD						
		AWG	No./mm						
UL20236CUL (Stranded)	2C	30	7/0.100	0.23	0.80	≥65	0.76	3.70	381.00
		28	7/0.127	0.23	0.90	≥65	0.76	4.00	239.00
		26	7/0.16	0.23	1.00	≥65	0.76	4.20	150.00
		24	11/0.16	0.23	1.10	≥65	0.76	4.40	94.20
		22	17/0.16	0.23	1.30	≥65	0.76	4.70	59.40
		20	21/0.178	0.23	1.50	≥65	0.76	5.20	36.70
		18	34/0.178	0.23	1.80	≥65	0.76	5.80	23.20
		16	26/0.25	0.23	2.00	≥65	0.76	6.20	14.60
UL20236CUL (Stranded)	3C	30	7/0.100	0.23	0.80	≥65	0.76	3.80	381.00
		28	7/0.127	0.23	0.90	≥65	0.76	4.00	239.00
		26	7/0.16	0.23	1.00	≥65	0.76	4.20	150.00
		24	11/0.16	0.23	1.10	≥65	0.76	4.50	94.20
		22	17/0.16	0.23	1.30	≥65	0.76	4.90	59.40
		20	21/0.178	0.23	1.50	≥65	0.76	5.40	36.70
		18	34/0.178	0.23	1.80	≥65	0.76	6.00	23.20
UL20236CUL (Stranded)	4C	30	7/0.100	0.23	0.80	≥65	0.76	4.00	381.00
		28	7/0.127	0.23	0.90	≥65	0.76	4.30	239.00
		26	7/0.16	0.23	1.00	≥65	0.76	4.50	150.00
		24	11/0.16	0.23	1.10	≥65	0.76	4.80	94.20
		22	17/0.16	0.23	1.30	≥65	0.76	5.30	59.40
UL20236CUL (Stranded)	5C	20	21/0.178	0.23	1.50	≥65	0.76	5.60	36.70
		30	7/0.100	0.23	0.80	≥65	0.76	4.30	381.00
		28	7/0.127	0.23	0.90	≥65	0.76	4.50	239.00
		26	7/0.16	0.23	1.00	≥65	0.76	4.80	150.00
UL20236CUL (Stranded)	6C	24	11/0.16	0.23	1.10	≥65	0.76	5.00	94.20
		22	17/0.16	0.23	1.30	≥65	0.76	5.60	59.40
		30	7/0.100	0.23	0.80	≥65	0.76	4.50	381.00
		28	7/0.127	0.23	0.90	≥65	0.76	4.80	239.00
		26	7/0.16	0.23	1.00	≥65	0.76	5.20	150.00
UL20236CUL (Stranded)	6C	24	11/0.16	0.23	1.10	≥65	0.76	5.40	94.20

UL20549 Multi-Conductor Shielded Cable

AWM 20549 VW-1 80°C 300V E343967 FINECABLES

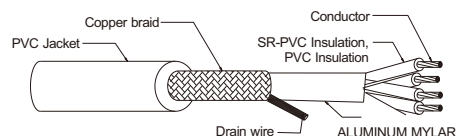


Product Description

- Tinned, annealed, stranded or solid copper conductor.
- PVC/SR-PVC/PP/TPU/XL-PE insulation.
- PUR jacket
- Tinned or bare copper wire spiral or braid shield
- Rated temperature: 80°C, Rated voltage: 300Volts
- Pass UL VW-1&CUL FT2 vertical flame test

Applications

- For general purpose internal wiring of electronic and electrical equipment



Technical Data

UL Style& CSA Type	Cores	Conductor		Insulation Thickness	Nom. Dia	Drain Wire	Overall shield		Jacket Thickness	Overall Diameter	Conductor Resistance at 20°C
		Gauge	No./OD				Material	Spiral/Braids			
		AWG	No./mm				mm	Coverage		mm	Ω/KM
UL20549 CAS (Stranded)	2C	30	7/0.10	0.25	0.80	7/0.10	AL	≥ 65%	0.6	3.00	381.0
		28	7/0.127		0.90	7/0.127	AL	≥ 65%		3.20	239.0
		26	7/0.16		1.00	7/0.16	AL	≥ 65%		3.50	150.0
		24	11/0.16		1.10	11/0.16	AL	≥ 65%		3.80	94.20
		22	17/0.16		1.30	17/0.16	AL	≥ 65%		4.20	59.40
		20	21/0.178		1.50	21/0.178	AL	≥ 65%		4.60	36.70
		18	34/0.178		1.80	34/0.178	AL	≥ 65%		5.20	23.20
UL20549 CAS (Stranded)	3C	30	7/0.10	0.25	0.80	7/0.10	AL	≥ 65%	0.6	3.20	381.0
		28	7/0.127		0.90	7/0.127	AL	≥ 65%		3.60	239.0
		26	7/0.16		1.00	7/0.16	AL	≥ 65%		3.90	150.0
		24	11/0.16		1.10	11/0.16	AL	≥ 65%		4.20	94.20
		22	17/0.16		1.30	17/0.16	AL	≥ 65%		4.40	59.40
		20	21/0.178		1.50	21/0.178	AL	≥ 65%		4.90	36.70
		18	34/0.178		1.80	34/0.178	AL	≥ 65%		5.60	23.20
UL20549 CAS (Stranded)	4C	30	7/0.10	0.25	0.80	7/0.10	AL	≥ 65%	0.8	3.80	381.0
		28	7/0.127		0.90	7/0.127	AL	≥ 65%		4.30	239.0
		26	7/0.16		1.00	7/0.16	AL	≥ 65%		4.60	150.0
		24	11/0.16		1.10	11/0.16	AL	≥ 65%		4.80	94.20
		22	17/0.16		1.30	17/0.16	AL	≥ 65%		5.30	59.40
		20	21/0.178		1.50	21/0.178	AL	≥ 65%		5.80	36.70
		18	34/0.178		1.80	34/0.178	AL	≥ 65%		6.60	23.20
UL20549 CAS (Stranded)	5C	30	7/0.10	0.25	0.80	7/0.10	AL	≥ 65%	0.8	4.30	381.00
		28	7/0.127		0.90	7/0.127	AL	≥ 65%		4.70	239.00
		26	7/0.16		1.00	7/0.16	AL	≥ 65%		5.00	150.00
		24	11/0.16		1.10	11/0.16	AL	≥ 65%		5.40	94.20
		22	17/0.16		1.30	17/0.16	AL	≥ 65%		5.80	59.40
		20	21/0.178		1.50	21/0.178	AL	≥ 65%		6.40	36.70
		18	34/0.178		1.80	34/0.178	AL	≥ 65%		7.00	23.20
UL20549 CAS (Stranded)	6C	30	7/0.10	0.25	0.80	7/0.10	AL	≥ 65%	0.8	4.60	381.00
		28	7/0.127		0.90	7/0.127	AL	≥ 65%		4.90	239.00
		26	7/0.16		1.00	7/0.16	AL	≥ 65%		5.40	150.00
		24	11/0.16		1.10	11/0.16	AL	≥ 65%		5.60	94.20
		22	17/0.16		1.30	17/0.16	AL	≥ 65%		6.30	59.40
		20	21/0.178		1.50	21/0.178	AL	≥ 65%		6.80	36.70
		18	34/0.178		1.80	34/0.178	AL	≥ 65%		7.80	23.20

100M/Reel PUR Cables for Field Installable/Assembly Connectors



PUR Jacket cable

- Do you ever have this experience: after buying field installable/assembly connectors, you have to purchase related cables from another supplier?
- Finecables is now offering real one-stop service by providing a wide range of 100M/Reel PUR cables in cartons to meet customer demands. Thus enables you to buy not only field installable /assembly connectors, but also cables at a more competitive price from only a single source. The package unit contains a cable length of 100M/Reel.
- You can select exactly the right cable for your application from a range of core counts, cross-sections, wire gauges and wire structures. All of the cables are UL-approved and used for applicable connector of M8/M12/M16/7/8"/Industrial I/O series etc.
- One-stop services are always at your disposal. Look forward to further cooperation with you.

Specification of Unshielded Cable



Ordering No.	1006266	1006187	1006128	1006267	1006208
Cores	3	3	4	5	8
Wire gauge/mm ²	3C*0.25/24AWG	3C*0.34/22AWG	4C*0.25/24AWG	5C*0.34/22AWG	8C*0.25/24AWG
Cable jacket(black)	PUR	PUR	PUR	PUR	PUR
Insulation wire	PVC	PVC	PVC	PVC	PVC
Conductor configuration(mm)	11/0.16	42/0.1	23/0.12	30/0.12	11/0.16
Cable OD(mm)	4.2	4.3	4.4	5.5	6
Resistance of wire	91.82Ω/KM	37.56Ω/KM	80.43Ω/KM	62.83Ω/KM	94.2Ω/KM
Ambient temperature	-10℃~+80℃	-10℃~+80℃	-10℃~+80℃	-10℃~+80℃	-10℃~+80℃
Bending radius(cable in move)	min.15xΦ	min.15xΦ	min.15xΦ	min.15xΦ	min.15xΦ
Bending radius(cable not in move)	min.12xΦ	min.12xΦ	min.12xΦ	min.12xΦ	min.12xΦ
UL model	UL20549	UL20549	UL20549	UL20549	UL20549

Specification of shielded Cable



Ordering No.	1006198	1006343
Cores	4	8
Wire gauge/mm ²	4C*0.34/22AWG	8C*0.25/22AWG
Cable jacket(black)	PUR	PUR
Insulation wire	PVC	PVC
Conductor configuration(mm)	17x0.16	11/0.16
Cable OD(mm)	5	6
Resistance of wire	59.4Ω/KM	94.2 Ω/KM
Ambient temperature	-10℃~+80℃	-10℃~+80℃
Bending radius(cable in move)	min.15x Φ	min.15x Φ
Bending radius(cable not in move)	min.12x Φ	min.12x Φ
UL model	UL20549	UL20549