

Cable Catalog

FOTUX ElectronicBridge[®] Systems

FOTUX ElectronicBridge® Systems

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Simplify Structure and Empower Connection

With over 20 years of expertise, FOTUX is a premier supplier of high-quality, cost-effective structured cabling systems. The ElectronicBridge® system embodies the extensive experience and specialized knowledge that FOTUX has accumulated across diverse applications, including communication and data center, smart buildings, industrial automation, rail transit, and high-end consumer electronics. Every end-to-end ElectronicBridge® system is guaranteed to meet or exceed all applicable ISO/IEC, EN, BS, and UL standards, and is designed to reduce complexity, enhance reliability, improve security, and optimize connectivity.

FOTUX cable systems are:

- Dependable**
 Over 20 years of experience providing high-quality, cost-effective cabling. Robust in-house manufacturing and strict global material sourcing ensure quality. ISO 9000 compliance ensures consistent performance through meticulous prototype testing.
- Scalable**
 Supports high-speed standards to future-proof infrastructure against emerging data demands. Comprehensive one-stop solutions simplify procurement and complex network upgrades. Continuous R&D and testing develop solutions for evolving scalability requirements.
- Sustainable**
 Strict adherence to RoHS and REACH standards minimizes hazardous substances. Optimized designs meet international standards while avoiding costly over-engineering. Long-term durability extends product lifecycles and reduces environmental construction waste.

Introduction

Explore the FOTUX ElectronicBridge® Systems Selection Guide, your ultimate resource for customizing high-performance cables tailored to precise needs. FOTUX delivers a wide array of conductor specifications, including multiple materials and sizes in solid or stranded formats, supporting multiple conductors for optimal conductivity and flexibility.

Our cables feature diverse insulation materials for superior dielectric strength, advanced shielding configurations like foil, braid, or combined options to combat EMI/RFI interference, customizable sheath materials for environmental protection, and robust armor choices for enhanced mechanical durability.

Designed for varied application environments, FOTUX cables incorporate essential properties such as flame retardant, fire resistant, oil resistant, and highly flexible formulations. Whether facing extreme temperatures, moisture, chemicals, or constant motion, our solutions ensure safety, reliability, and extended service life.

Perfectly suited for computers, communication networks, instrumentation, audio systems, control automation, and high-speed audio/data transmission, FOTUX cables drive innovation across industries. From data centers to industrial controls, select the perfect combination to power your projects with confidence.

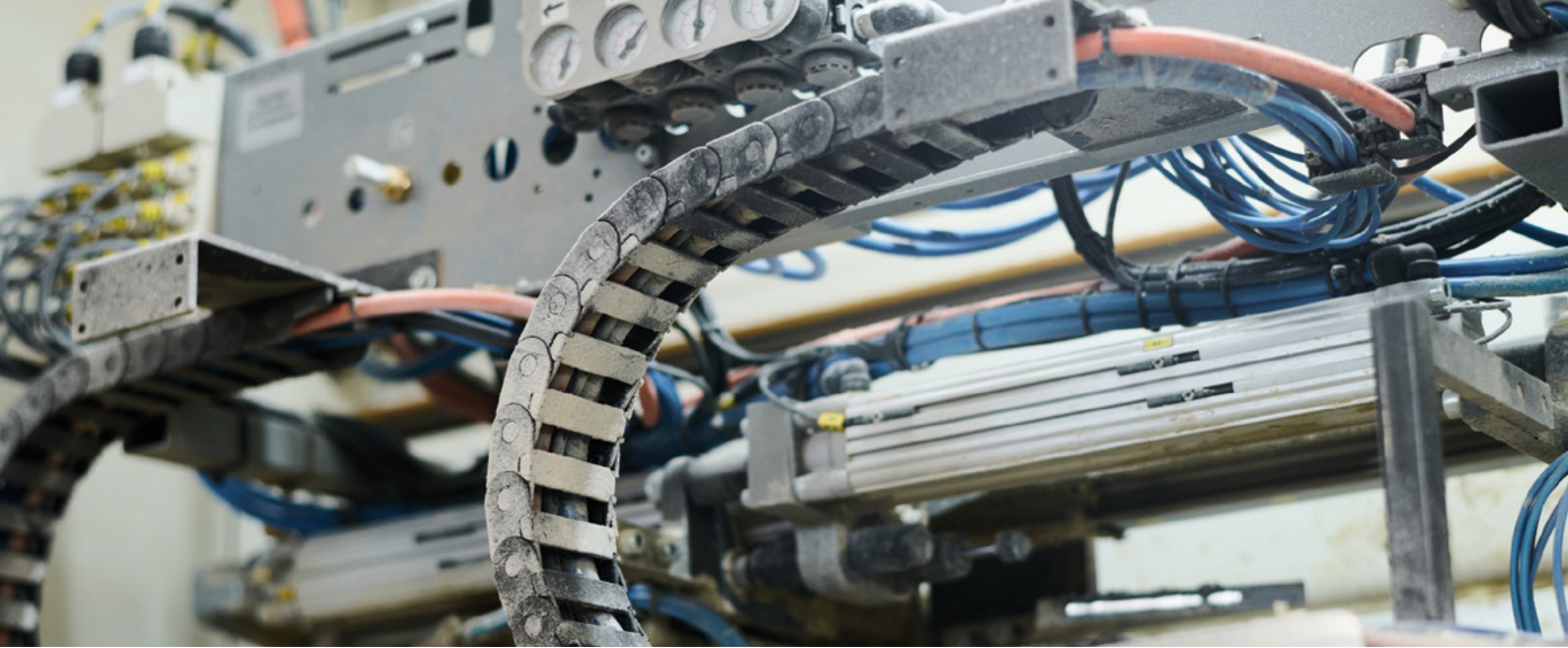
Smart Pack Solution

Furthermore, FOTUX proposes advanced packaging solutions for all customers.

Receiving constant feedbacks allows to propose always new solutions for each packaging issue and always with the best quality and price. All solutions advised assure the cables from

getting damaged during transport and / or installation. And to allow easy installation. Besides the Standard Packaging Solutions on request from customers worldwide also Tailor-Made Packaging Solutions are possible.

Specifications	Available Options	
Conductor Material:	Bare Copper	
	Tinned Copper	
	Copper Clad Aluminum	
	Silver Plated Copper	
Conductor Size:	AWG	mm²
	28	0.055
	26	0.22
	24	0.5
	23	0.75
	22	1
	20	1.5
	18	2.5
	16	4
	...	...
No. of Cond. Available:	1	10
	2	11
	3	12
	4	13
	5	14
	6	15
	7	16
	8	17
	9	...
Insulation:	PVC	
	LSZH	
	HDPE	
	FPE	
	Silicone	
Shield:	Individual Foil	
	Overall Foil	
	Overall Braid	
	Special Shield	
Sheath:	PVC	
	LSZH	
	PE	
	PUR	
	TPE	
Armored:	Steel Wire	
	Aluminum Interlock	



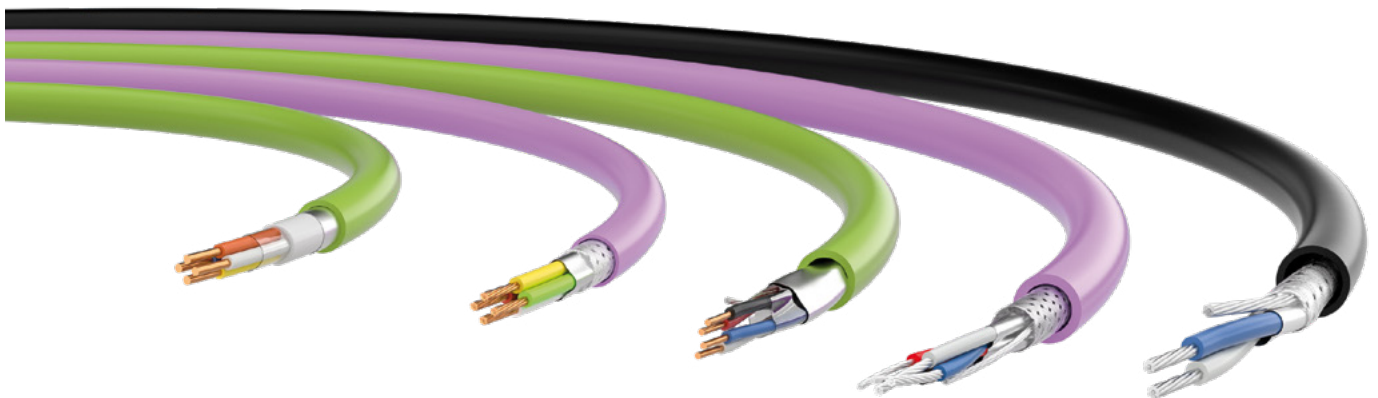
Industrial Automation

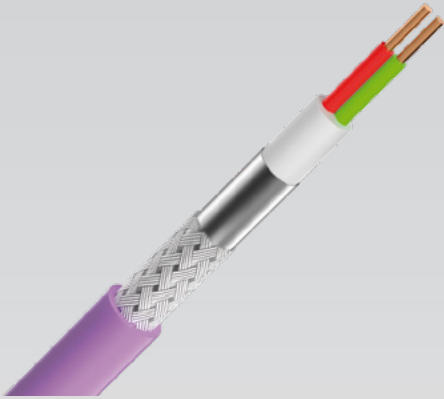
Engineered for the rigorous demands of smart manufacturing, FOTUX offers a specialized range of BUS cables, Industrial Ethernet, and Motion Control cables. These cables can be built to withstand harsh environments, featuring oil-resistant and abrasion-proof sheaths (such as PUR and TPE), as well as galvanized steel armoring for maximum crush resistance.

Our designs prioritize signal integrity and mechanical durability for protocols like Profibus and DeviceNet. Furthermore, we offer optimized conductor configurations that balance electrical performance with cost-efficiency, providing tailored solutions for both dynamic drag-chain applications and static industrial installations.

Customer Service

A wide range of cable designs are available from stock through our distributors. If you cannot locate a new or custom application in this section, please contact our customer service for further information or to request a quote. Additional product and technical details can also be found at www.fotuxcorp.com.





Specification

Bend Radius (vs. Cable OD)

Installation	12 x OD
Operation	6 x OD

Temperature Range

Storage	-40°C to 70°C (-40°F to 158°F)
Installation (PVC)	0°C to 60°C (32°F to 140°F)
Installation (LSZH)	-10°C to 60°C (14°F to 140°F)
Operation (PVC)	0°C to 70°C (32°F to 158°F)
Operation (LSZH)	-20°C to 70°C (-4°F to 158°F)

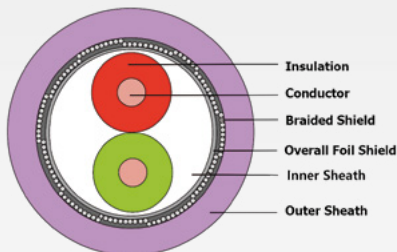
Voltage Rating

100V

Characteristic Impedance

150Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- IEC 61158

Profibus Cable

Single Pair Overall Foil & Braided Shield

Profibus cable serves as the reliable backbone of industrial automation networks. It enables seamless communication between machines across demanding factory floors, ensuring smooth and synchronized operations.

Applications:

- Factory floor nervous system
- PLC to device communication backbone
- Industrial automation core network
- Harsh environment signal highway

Construction	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
						Installation		Operation	
	AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	22	7.8	0.31	65.3	43.9	50	11.2	35	7.9

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Number of Pair	FOTUX Part Number	
	PVC	LSZH
1	IDC792212	IDC792221

For an exhaustive selection, contact FOTUX sales representative.

Profinet Cable

Multicore Overall Foil & Braided Shield

Profinet cable delivers high-speed industrial Ethernet connectivity, enabling real-time machine communication on the factory floor. Its robust design ensures stable performance even in harsh, electrically noisy environments.

Applications:

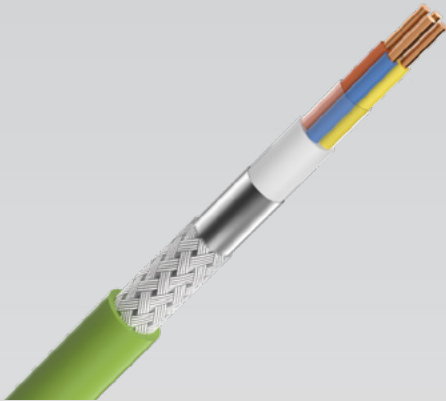
- Real-time machine communication
- High-speed industrial Ethernet network
- Factory automation backbone cabling
- Robotic cell synchronization

Construction	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
						Installation		Operation	
	AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	22	6.5	0.26	54	36	100	22.5	70	15.7

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Number of Cores	FOTUX Part Number	
	PVC	LSZH
4	IDC7012	IDC7021

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

Temperature Range

Storage	-40°C to 70°C (-40°F to 158°F)
Installation (PVC)	0°C to 60°C (32°F to 140°F)
Installation (LSZH)	-10°C to 60°C (14°F to 140°F)
Operation (PVC)	0°C to 70°C (32°F to 158°F)
Operation (LSZH)	-20°C to 70°C (-4°F to 158°F)

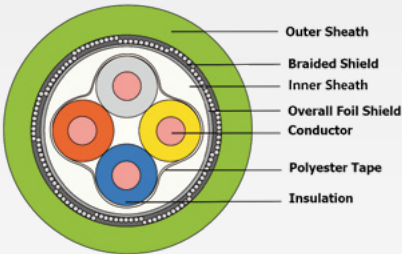
Voltage Rating

300V

Characteristic Impedance

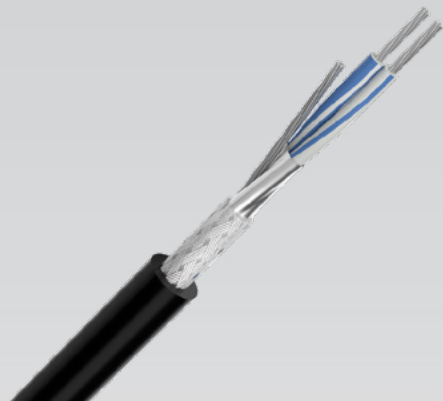
150Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- IEC 61158



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

Temperature Range

Storage	-40°C to 70°C (-40°F to 158°F)
Installation (PVC)	0°C to 60°C (32°F to 140°F)
Installation (LSZH)	-10°C to 60°C (14°F to 140°F)
Operation (PVC)	0°C to 70°C (32°F to 158°F)
Operation (LSZH)	-20°C to 70°C -4°F to 158°F)

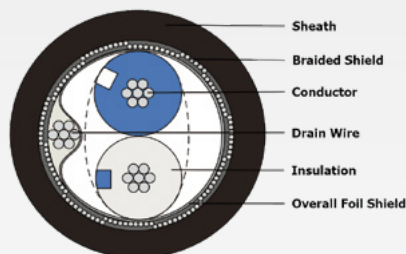
Voltage Rating

300V

Characteristic Impedance

120Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- IEC 61158

Modbus Cable

Multipair Overall Foil & Braided Shield

Modbus cable enables straightforward serial communication between industrial devices like PLCs, sensors, and HMIs. Its robust twisted-pair design ensures reliable data exchange in simple and cost-effective automation networks.

Applications:

- Legacy system serial communication
- PLC to instrument connection
- Simple sensor network wiring
- Basic industrial device linking

Construction	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
						Installation		Operation	
	AWG	mm	in	kg/ km	lb/ 1000ft	N	lbs-f	N	lbs-f
	22	7.2	0.28	66	44.4	65	14.6	50	11.2
	22	9.0	0.35	110	74	100	22.5	80	18

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Number of Pair	FOTUX Part Number	
	PVC	LSZH
1	IDC31112	IDC31121
2	IDC31212	IDC31221

For an exhaustive selection, contact FOTUX sales representative.

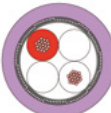
CAN Bus Cable

Multicore Overall Braided Shield

CAN Bus (Control Area Network) is a non-addressable system that treats all devices as equal allowing for fast transmission of data. Due to its robust nature, it has been widely adopted in the automotive industry.

Applications:

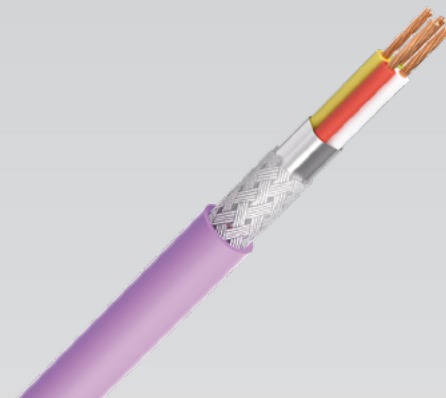
- Vehicle internal network
- Robotic joint communication
- Medical equipment data
- Agricultural machinery control

Construction	Conductor Cross Sectional Area	Cable Diameter		Weight		Tensile Strength			
						Installation		Operation	
	mm²	mm	in	kg/km	lb/ 1000ft	N	lbs-f	N	lbs-f
	0.25	6.5	0.26	29.3	19.7	45	10.1	35	7.9
	0.34	7.0	0.28	52	35	55	12.4	40	9.0
	0.50	8.0	0.31	59.88	40.24	65	14.6	50	11.2
	0.75	9.20	0.36	104	70	100	22.5	80	18
	0.25	7.2	0.28	57.8	39	65	14.6	50	11.2
	0.34	8.5	0.33	71.6	48	90	20.2	70	15.7
	0.50	9.2	0.36	95.4	64	130	29.2	100	22.5
	0.75	10.8	0.43	140	94	200	44.9	150	33.7

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Conductor Cross Sectional Area	FOTUX Part Number	
	Pair	Quad
	PVC	
0.25 mm ²	IDC402112	IDC404112
0.34 mm ²	IDC402212	IDC404212
0.50 mm ²	IDC402312	IDC404312
0.75 mm ²	IDC402412	IDC404412

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation 20 x OD

Operation 15 x OD

Temperature Range

Storage -40°C to 70°C
(-40°F to 158°F)

Installation (PVC) 0°C to 60°C
(32°F to 140°F)

Installation (LSZH) -10°C to 60°C
(14°F to 140°F)

Operation (PVC) 0°C to 70°C
(32°F to 158°F)

Operation (LSZH) -20°C to 70°C
(-4°F to 158°F)

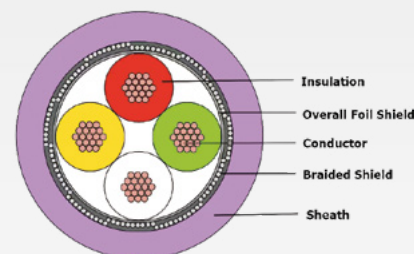
Voltage Rating

300V

Characteristic Impedance

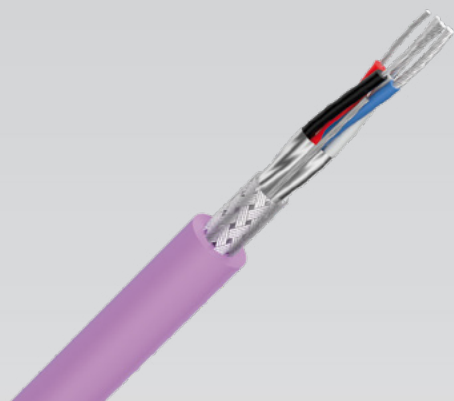
120Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- IEC 61158



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

Temperature Range

Storage	-40°C to 70°C (-40°F to 158°F)
Installation (PVC)	0°C to 60°C (32°F to 140°F)
Installation (LSZH)	-10°C to 60°C (14°F to 140°F)
Operation (PVC)	0°C to 70°C (32°F to 158°F)
Operation (LSZH)	-20°C to 70°C (-4°F to 158°F)

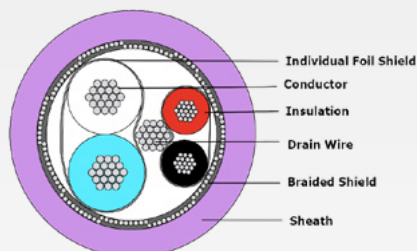
Voltage Rating

150V

Characteristic Impedance

120Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- IEC 61158

DeviceNet Cable

Multipair Individual Foil & Overall Braid Shield

DeviceNet cable provides robust device-level networking for industrial automation. Its unique flat or round design with integrated power and signal lines simplifies wiring, reliably connecting sensors, actuators, and controllers on the factory floor.

Applications:

- Sensor and actuator networking
- Machine I/O module connection
- Allen-Bradley PLC systems
- Simple device-level wiring

Construction	Conductor Gauge (Data)	Conductor Gauge (Power)	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
	AWG	AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	24	22	7.0	0.28	66	44	90	20.2	70	15.7
	18	15	11.2	0.44	177	119	300	67.4	200	44.9

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Conductor Gauge (Data)	Conductor Gauge (Power)	FOTUX Part Number	
		PVC	LSZH
24 AWG	22 AWG	IDC30712	IDC30721
18 AWG	15 AWG	IDC30812	IDC30821

For an exhaustive selection, contact FOTUX sales representative.

KNX Cable

Multipair Overall Foil Shield

Used for lighting control, blind control, air-conditioning, heating and security systems. KNX Certified products will communicate with each other to ensure the smooth functioning and easy expansion of systems and creates a comfortable, efficient & safe environments.

Applications:

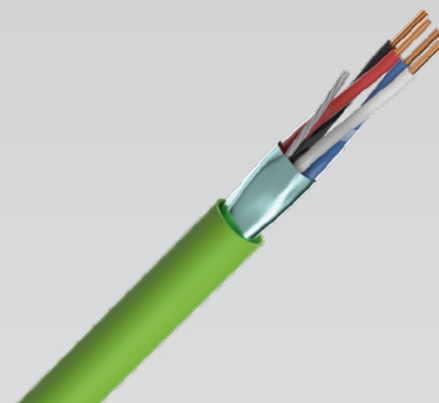
- Building lighting control
- HVAC system automation
- Smart blind operation
- Security device integration

Construction	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
						Installation		Operation	
	AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	20	5.6	0.22	41	92	70	15.7	50	11.2
	20	6.3	0.26	52	114	130	29.2	100	22.5

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Number of Pairs	FOTUX Part Number	
	PVC	LSZH
1	IDC779112	IDC779121
2	IDC779212	IDC779221

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

Temperature Range

Storage	-40°C to 70°C (-40°F to 158°F)
Installation (PVC)	0°C to 60°C (32°F to 140°F)
Installation (LSZH)	-10°C to 60°C (14°F to 140°F)
Operation (PVC)	0°C to 70°C (32°F to 158°F)
Operation (LSZH)	-20°C to 70°C (-4°F to 158°F)

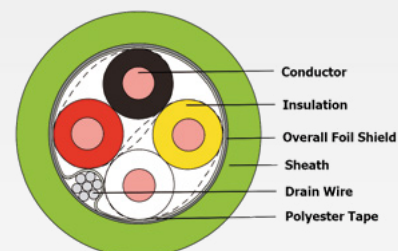
Voltage Rating

450/750V

Characteristic Impedance

120Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- IEC 61158



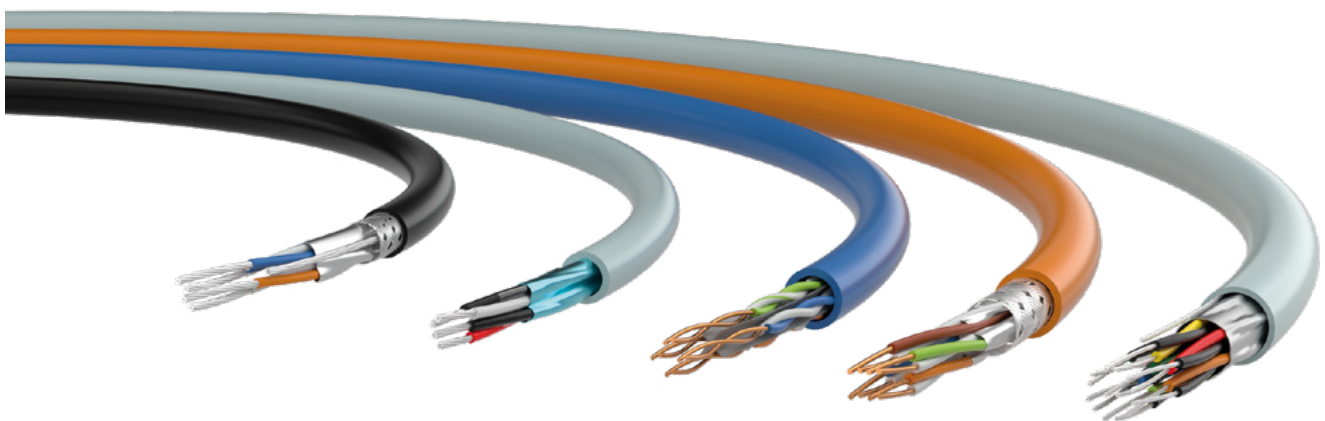
Data Cables

FOTUX Cable delivers high-performance network solutions ranging from standard Cat5e and Cat6 to high-speed Cat6A and Cat7, as well as industry leader equivalent systems. Our data portfolio supports diverse infrastructure needs with shielding options (UTP, FTP, SFTP) to minimize interference. We offer specialized jacketing—including UV-resistant PE for outdoor use and LSZH for indoor safety—along with steel wire or tape armoring for direct burial applications.

To maximize project viability, we provide flexible conductor choices, offering both premium solid copper and economic composite conductor alternatives, ensuring reliable connectivity that aligns with your specific bandwidth requirements and budgetary constraints.

Customer Service

A wide range of cable designs are available from stock through our distributors. If you cannot locate a new or custom application in this section, please contact our customer service for further information or to request a quote. Additional product and technical details can also be found at www.fotuxcorp.com.



Twin-Ax Cable

Single Pair Overall Foil & Braided Shield

Twin-Axial cable provides high-speed, short-reach differential signaling with superior noise immunity. Its parallel twin-core design is essential for high-frequency data transmission in servers, storage systems, and InfiniBand networks.

Applications:

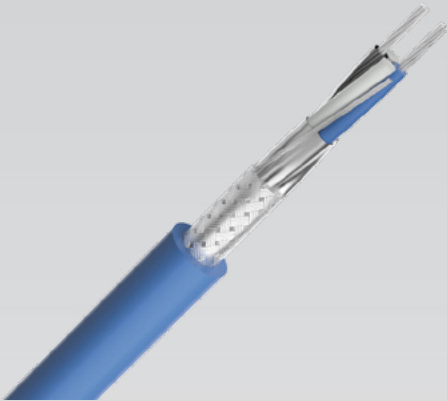
- High-speed server interconnects
- Data center rack wiring
- Storage area network links
- InfiniBand network cabling

Construction	Number of Pairs	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
		AWG	mm	in	kg/km	lb/1000 ft	N	lbs-f	N	lbs-f
	2	20	6.2	0.24	56	37.68	65	14.6	50	11.2
	2	18	6.8	0.27	68	45.76	100	22.5	75	16.9

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

FOTUX Part Number		
Cable Sheath	20AWG	18AWG
PVC	HSM942012	HSM941812
LSZH	HSM942021	HSM941812

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

Temperature Range

Storage	-40°C to 70°C (-40°F to 158°F)
Installation (PVC)	0°C to 60°C (32°F to 140°F)
Installation (LSZH)	-10°C to 60°C (14°F to 140°F)
Operation (PVC)	0°C to 70°C (32°F to 158°F)
Operation (LSZH)	-20°C to 70°C (-4°F to 158°F)

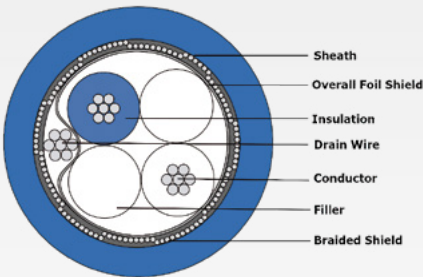
Voltage Rating

300V

Characteristic Impedance

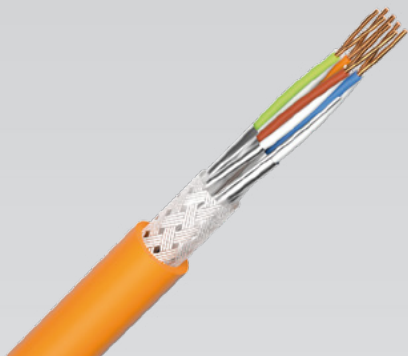
78Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016



Specification

Bend Radius (vs. Cable OD)

Installation 8 x OD

Operation 4 x OD

Temperature Range

Storage -10°C to 40°C
(-40°F to 158°F)

Installation (PVC) 0°C to 40°C
(32°F to 104°F)

Installation (LSZH) 0°C to 40°C
(32°F to 104°F)

Operation (PVC) -15°C to 65°C
(5°F to 149°F)

Operation (LSZH) -30°C to 70°C
(-22°F to 158°F)

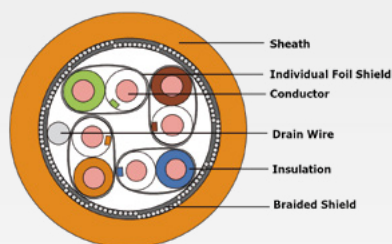
Voltage Rating

125V

Characteristic Impedance

100Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- ANSI/TIA-568.2-D
- ISO/IEC 11801
- EN50173-1

Ethernet Cable

Unshield, Overall Shield, Individual Shield

LAN cable forms the physical backbone of modern networks, transmitting data through twisted copper pairs. It reliably connects computers, servers, and switches in offices, homes, and data centers for everyday internet and communication tasks.

Applications:

- Office network infrastructure
- Home internet
- Data center connectivity
- IP surveillance systems
- Industrial Ethernet

Construction	Category	Conductor Gauge	Cable Diameter			Weight		Tensile Strength			
			AWG	mm	in	kg/km	lb/1000 ft	Installation		Operation	
								N	lbs-f	N	lbs-f
UTP											
	5E	24	5.0	0.19	26.7	18	90	20.2	70	15.73	
F/UTP											
	5E	24	6.0	0.23	36.3	24.4	110	24.7	85	19.1	
UTP											
	6	24	6.0	0.23	33.4	22.4	105	23.6	80	18.0	
F/UTP											
	6	23	6.5	0.25	41.4	27.8	125	28.1	95	21.3	
UTP											
	6A	23	7.0	0.28	37.7	25.3	110	24.7	85	19.1	
U/FTP											
	6A	23	7.2	0.28	52.5	35.3	130	29.2	100	22.5	

Ethernet Cable *(continued)*

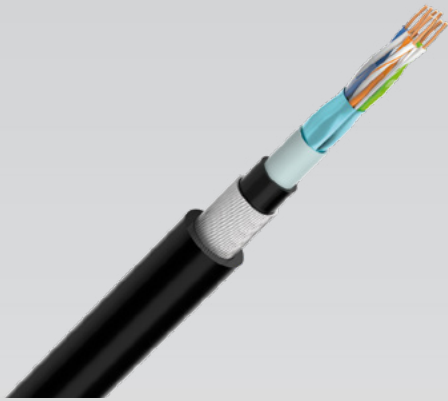
Unshield, Overall Shield, Individual Shield

Construction	Category	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
		AWG	mm	in	kg/km	lb/1000 ft	N	lbs-f	N	lbs-f
F/FTP										
	6A	23	7.5	0.30	54.5	36.6	140	31.5	105	23.6
S/FTP										
	6A	23	7.6	0.3	60.9	40.9	120	27.0	90	20.2
S/FTP										
	7	23	7.8	0.31	67.7	45.5	140	31.5	105	23.6

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

FOTUX Part Number					
Category	UTP	F/UTP	U/FTP	F/FTP	S/FTP
PVC					
5E	UUTP5E12	FUTP5E12	-	-	-
6	UUTP612	FUTP612	-	-	-
6A	UUTP6A12	-	UFTP6A12	-	-
7	-	-	-	FFTP712	SFTP712
LSZH					
5E	UUTP5E21	FUTP5E21	-	-	-
6	UUTP621	FUTP621	-	-	-
6A	UUTP6A21	-	UFTP6A21	-	-
7	-	-	-	FFTP721	SFTP721

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation	8 x OD
Operation	4 x OD

Temperature Range

Storage	-20°C to 50°C (-4°F to 122°F)
Installation	-10°C to 40°C (14°F to 104°F)
Operation	-40°C to 70°C (-40°F to 158°F)

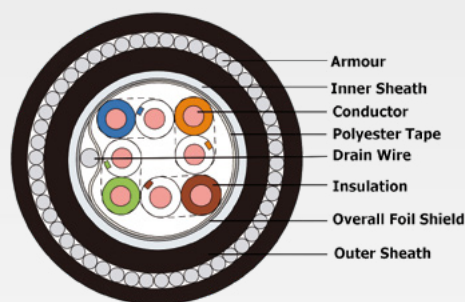
Voltage Rating

125V

Characteristic Impedance

100Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- ANSI/TIA-568.2-D
- ISO/IEC 11801
- EN50173-1

External Grade Ethernet Cable

Unshield, Overall Shield

Designed for durability, outdoor LAN cable withstands harsh weather, UV exposure, and temperature extremes. Its waterproof jacket and robust shielding ensure reliable network performance in exposed industrial and campus environments.

Applications:

- Outdoor surveillance system
- Cross-building network
- Industrial park data links
- Campus-wide network
- Harsh environment Ethernet

Construction	Category	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
		AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
UTP Weatherproof										
	5E	24	5.4	0.21	27.5	18.5	90	20.2	70	15.7
UTP Duct										
	5E	24	6.7	0.26	40.8	27.4	105	23.6	80	18.0
F/UTP Weatherproof										
	5E	24	6.3	0.25	36.3	24.4	105	23.6	80	18.0
F/UTP Duct										
	5E	24	6.6	0.26	53.5	35.9	120	27.0	90	20.2
UTP SWA										
	5E	24	9.2	0.36	144	97	2100	471.9	1600	360
F/UTP SWA										
	5E	24	10.2	0.40	168	113	2350	528.1	1800	404
UTP Weatherproof										
	6	23	6.2	0.24	36	24.2	105	23.6	80	18.0

External Grade Ethernet Cable *(continued)*

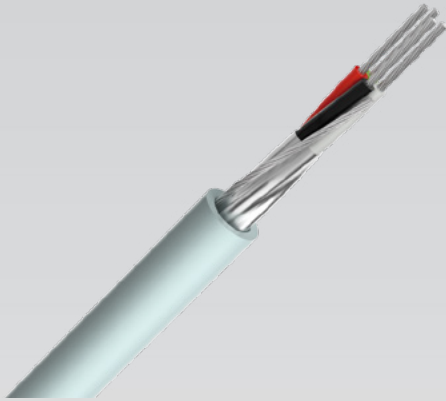
Unshield, Overall Shield

Construction	Category	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
		AWG	mm	in	kg/km	lb/1000 ft	N	lbs-f	N	lbs-f
UTP Duct										
	6	23	7.4	0.29	53.4	36	120	27.0	90	20.2
F/UTP Weatherproof										
	6	23	7.2	0.28	42.4	28.5	120	27.0	90	20.2
F/UTP Duct										
	6	23	8.0	0.31	60.9	40.9	130	29.2	100	22.5
UTP SWA										
	6	23	10.0	0.39	172	115	2350	528.1	1800	404
F/UTP SWA										
	6	23	11.0	0.43	175	117	2350	528.1	1800	404

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

FOTUX Part Number			
Category	Weatherproof	Duct	SWA
UTP			
5E	UUTP5E3	UUTP5E113	UUTP5E113SW
6	UUTP63	UUTP6113	UUTP6113SW
U/FTP			
5E	UFTP5E3	UFTP5E113	UFTP5E113SW
6	UFTP63	UFTP6113	UFTP6113SW

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

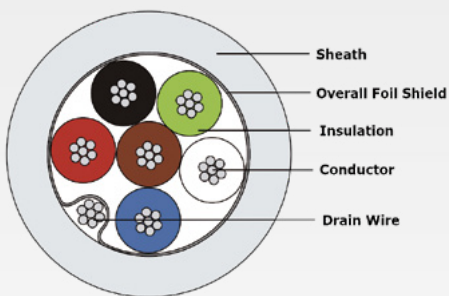
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

450/750V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016

RS232 Cable

Multicore Overall Foil Shield

Overall screened multicore RS232 cable provides robust point-to-point serial communication with maximum interference protection. Its comprehensive shield and multiple independent conductors ensure reliable data transmission in industrial and legacy computer systems.

Applications:

- Legacy computer serial connections
- Industrial terminal equipment links
- Point-to-point PLC communication
- Serial port device wiring

Construction	Number of Cores	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
			mm	in	kg/km	lb/1000ft	Installation		Operation	
		AWG					N	lbs-f	N	lbs-f
	3	24	4.1	0.16	24	16.2	60	13.5	45	10.1
	4	24	4.2	0.17	28.3	19	75	16.9	55	12.4
	5	24	4.7	0.19	32.5	21.8	85	19.1	65	14.6
	6	24	5.1	0.2	36.9	24.8	100	22.5	75	16.9
	7	24	5.1	0.2	39.9	26.8	110	24.7	85	19.1
	8	24	5.3	0.21	43.8	29.4	130	29.2	100	22.5
	9	24	5.8	0.23	49.2	33	145	32.6	110	24.7
	10	24	6.2	0.24	53.4	35.9	160	36.0	120	27.0

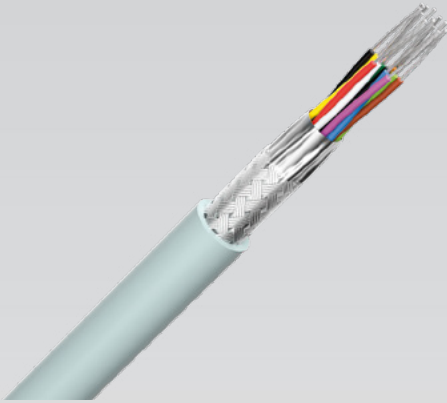
RS232 Cable *(continued)*

Multicore Overall Foil Shield

FOTUX Part Number		
Number of Cores	Cable Sheath	
	PVC	LSZH
3	HSM9532412	HSM9532421
4	HSM9542412	HSM9542421
5	HSM9552412	HSM9552421
6	HSM9562412	HSM9562421
7	HSM9572412	HSM9572421
8	HSM9582412	HSM9582421
9	HSM9592412	HSM9592421
10	HSM95102412	HSM95102421

For an exhaustive selection, contact FOTUX sales representative.





Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

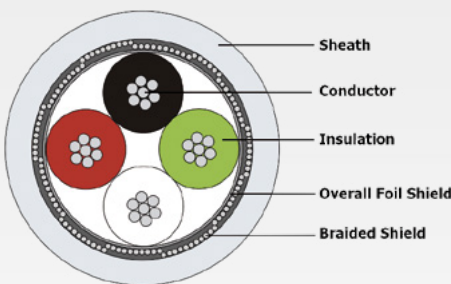
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

300V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016

RS232/423 Cable

Multicore Overall Foil & Braided Shield

A range of high performance cables for use over extended distances at high data rates for RS232 and RS423 applications. Also well suited to industrial measurement where low signal distortion is required. These cables are widely used in CAD/CAM applications.

Applications:

- Industrial serial device networks
- High-noise environment communication
- Legacy PLC system links
- Critical instrumentation connections

Construction	Number of Cores	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
		AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	3	24	4.1	0.16	27.6	18.6	45	10.1	35	7.9
	3	22	5.1	0.2	33.6	22.6	70	15.7	55	12.4
	4	24	4.7	0.18	32.3	21.7	60	13.5	45	10.1
	4	22	5.5	0.21	40	26.9	90	20.2	70	15.7
	5	24	4.8	0.19	37	24.9	70	15.7	55	12.4
	5	22	5.8	0.23	46.4	31.2	120	27.0	90	20.2
	6	24	5.3	0.21	42.1	28.3	85	19.1	65	14.6
	6	22	6.2	0.24	53	35.6	140	31.5	105	23.6
	8	24	5.7	0.22	49	32.9	120	27.0	90	20.2
	8	22	6.6	0.26	62.4	42.6	180	40.4	140	31.5
	9	24	6.2	0.24	55.7	37.4	125	28.1	96	21.6
	9	22	7.1	0.28	71.3	47.9	200	44.9	155	34.8

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

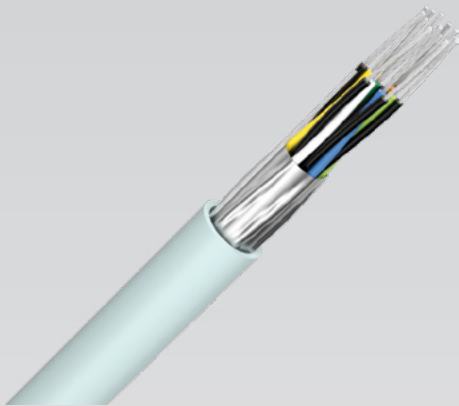
RS232/423 Cable *(continued)*

Multicore Overall Foil & Braided Shield

FOTUX Part Number						
Conductor Gauge	3	4	5	6	8	9
PVC						
24AWG	HSM9932412	HSM9942412	HSM9952412	HSM9962412	HSM9982412	HSM9992412
22AWG	HSM9932212	HSM9942212	HSM9952212	HSM9962212	HSM9982212	HSM9992212
LSZH						
24AWG	HSM9932421	HSM9942421	HSM9952421	HSM9962421	HSM9982421	HSM9992421
22AWG	HSM9932221	HSM9942221	HSM9952221	HSM9962221	HSM9982221	HSM9992221

For an exhaustive selection, contact FOTUX sales representative.





Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

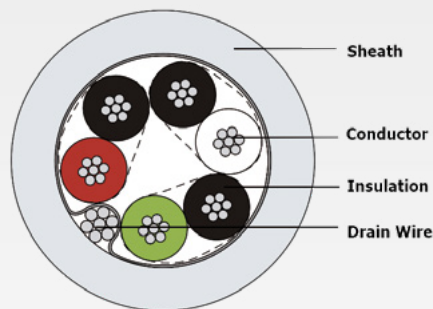
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

450/750V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016

RS232 Cable

Multipair Overall Foil Shield

Overall screened multipair data cable provides isolated, high-integrity RS232 channels within a single jacket. Its individual pair shielding and overall screen ensure reliable serial communication in complex, multi-device industrial systems.

Applications:

- Legacy computer serial connections
- Industrial terminal equipment links
- Point-to-point PLC communication
- Serial port device wiring

Construction	Number of Pairs	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
			mm	in	kg/km	lb/1000 ft	Installation		Operation	
		AWG					N	lbs-f	N	lbs-f
	1	24	4.0	0.16	20.3	13.6	45	10.1	35	7.9
	2	24	5.6	0.22	33.1	22.3	70	15.7	55	12.4
	3	24	5.9	0.23	41.1	27.6	100	22.5	75	16.9
	4	24	6.8	0.26	49.1	33.0	130	29.2	100	22.5
	5	24	7.4	0.29	56.8	38.2	160	36.0	120	27.0
	6	24	7.8	0.31	64.4	43.3	180	40.4	140	31.5

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Conductor Gauge	FOTUX Part Number					
	1	2	3	4	5	6
PVC	HSM95112	HSM95212	HSM95312	HSM95412	HSM95512	HSM95612
LSZH	HSM95121	HSM95221	HSM95321	HSM95421	HSM95521	HSM95621

For an exhaustive selection, contact FOTUX sales representative.

RS422 Cable

Multipair Individual Foil Shield

Individually screened multipair RS422 data cable ensures precise differential signaling across multiple independent channels. Its per-pair shielding guarantees excellent noise immunity and crosstalk prevention for critical, long-distance industrial data acquisition systems.

Applications:

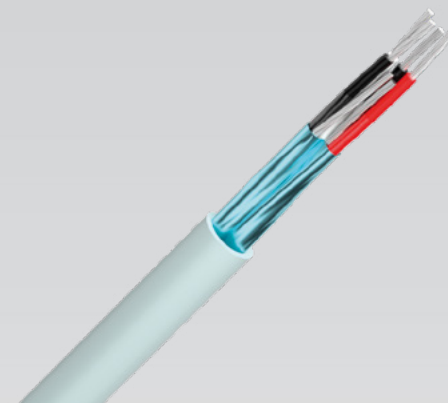
- PLC to remote I/O cabinet links
- Multi-channel strain gauge/thermocouple signals
- Railway signaling system
- Power plant distributed monitoring networks

Construction	Number of Pairs	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
		AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	2	24	6.8	0.27	42.8	28.8	85	19.1	65	14.6
	3	24	8.5	0.33	56.3	37.8	130	29.2	100	22.5
	4	24	9.3	0.36	75.2	0.36	170	38.2	130	29.2
	6	24	11.0	0.43	110	74	260	58.4	200	44.9

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Cable Sheath	FOTUX Part Number			
	2	3	4	6
PVC	HSM97212	HSM97312	HSM97412	HSM97612
LSZH	HSM97221	HSM97321	HSM97421	HSM97621

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

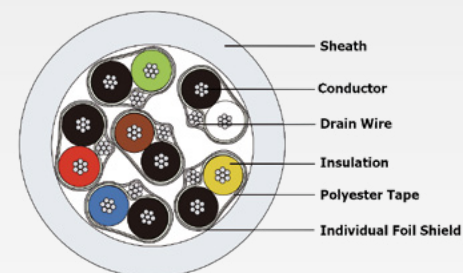
Voltage Rating

450/750V

Characteristic Impedance

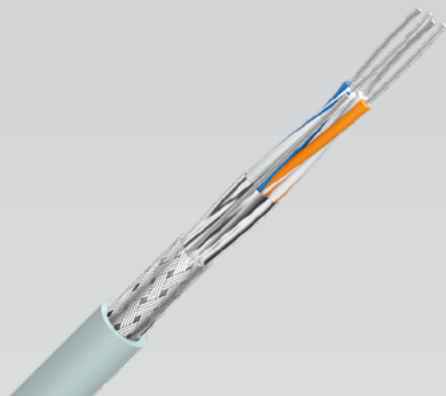
100Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

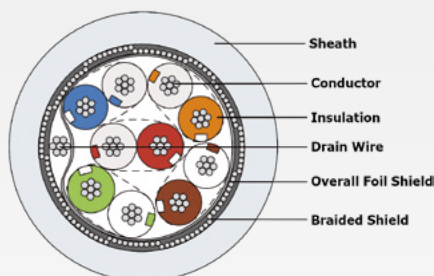
Voltage Rating

450/750V

Characteristic Impedance

100Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016

RS232/422 Cable

Multipair Overall Foil & Braided Shield

A range of high performance cables for use over extended distances at high data rates for RS232 and RS422 applications. Also well suited to industrial measurement applications where low signal distortion is required.

Applications:

- PLC to remote I/O cabinet links
- Railway signaling system
- Power plant distributed monitoring

Construction	Number of Pairs	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
			mm	in	kg/km	lb/1000ft	Installation		Operation	
		AWG					N	lbs-f	N	lbs-f
	2	24	7.4	0.29	49.7	33.4	70	15.7	55	12.4
	3	24	7.7	0.30	62.0	41.6	100	22.5	75	16.9
	4	24	8.4	0.33	74.6	50.1	130	29.2	100	22.5
	5	24	8.6	0.34	82.5	55.4	160	36.0	120	27.0

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

FOTUX Part Number				
Cable Sheath	2	3	4	5
PVC	HSM982212	HSM982312	HSM982412	HSM982512
LSZH	HSM982221	HSM982321	HSM982421	HSM982521

For an exhaustive selection, contact FOTUX sales representative.

RS422 Cable

Multipair Individual Foil & Overall Foil & Braid Shield

Individually and overall screened with braid multipair RS422 cable delivers maximum signal integrity for critical applications. Its layered shielding provides superior EMI isolation, ensuring reliable high-speed data transmission across all channels in demanding environments.

Applications:

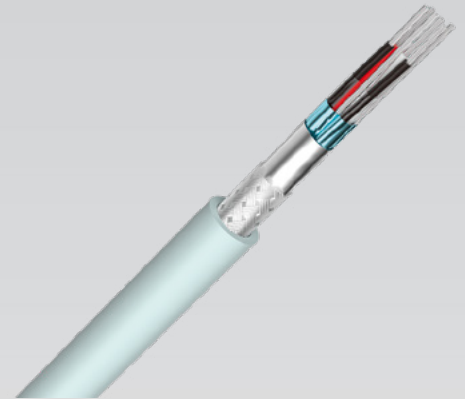
- Military command system
- Nuclear plant monitoring buses
- High-speed train control links
- Submarine sensor array

Construction	Number of Pairs	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
		AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	2	24	8.7	0.34	68.2	45.8	85	19.1	65	14.6
	3	24	9.2	0.36	87.2	58.6	130	29.2	100	22.5
	4	24	9.9	0.39	101.2	68.0	170	38.2	130	29.2
	5	24	10.5	0.41	116.1	78.0	210	47.2	160	36.0
	6	24	11.4	0.45	133	89.4	260	58.4	200	44.9
	7	24	11.4	0.45	142	95.6	300	67.4	230	51.7

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Cable Sheath	FOTUX Part Number					
	2	3	4	5	6	7
PVC	HSM81212	HSM81312	HSM81412	HSM81512	HSM81612	HSM81712
LSZH	HSM81221	HSM81321	HSM81421	HSM81521	HSM81621	HSM81721

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

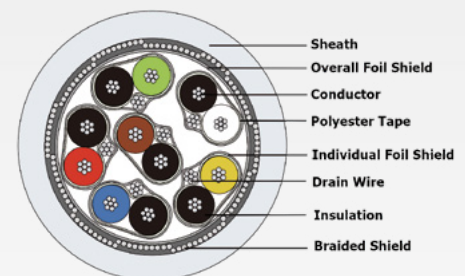
Voltage Rating

450/750V

Characteristic Impedance

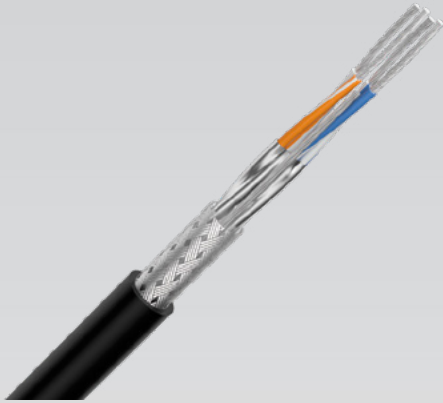
100Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

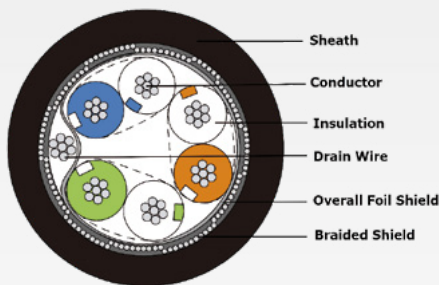
Voltage Rating

450/750V

Characteristic Impedance

120Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016

RS485 Cable

Multipair Overall Foil & Braided Shield

RS485 cable enables robust multi-drop network communication in harsh environments. Its comprehensive shielding ensures excellent noise immunity for reliable data transmission across industrial automation systems.

Applications:

- Factory-wide sensor networks
- Process control multidrop buses
- Outdoor environmental monitoring systems
- Building automation backbone

Construction	Number of Pairs	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
		AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	1	24	5.9	0.23	47.4	31.8	45	10.1	35	7.9
	2	24	8.6	0.34	77.5	52.1	70	15.7	55	12.4
	3	24	9.2	0.36	97.8	65.7	100	22.5	75	16.9
	4	24	9.9	0.39	119	80	130	29.2	100	22.5

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

FOTUX Part Number				
Cable Sheath	1	2	3	4
PVC	HSM984112	HSM984212	HSM984312	HSM984412
LSZH	HSM984121	HSM984221	HSM984321	HSM984421

For an exhaustive selection, contact FOTUX sales representative.

Electronic Cable

Multipair Individual Foil Shield

Widely used in monitoring, computer, instrumentation and audio applications where the individually screened pairs reduce cross talk. Its dedicated pair shielding ensures noise-free transmission in complex installations like studios and broadcast facilities.

Applications:

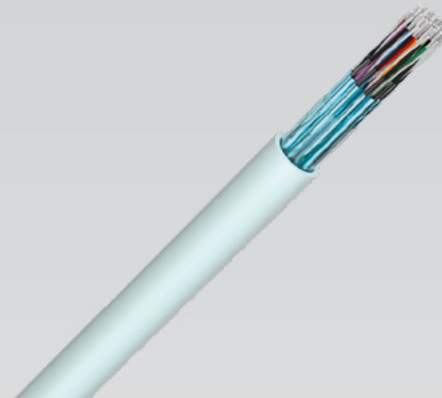
- Professional recording studio
- Broadcast audio console patching
- Theater stage control systems
- Concert sound reinforcement links

Construction	Number of Pairs	Conductor Gauge	Cable Diameter		Weight	Tensile Strength			
			AWG	mm	in	kg/km	lb/1000ft	Installation	Operation
								N	lbs-f
	3	22	10.3	0.4	122	81.8	420	94.4	320
		20	8.7	0.34	84.5	56.8	290	65.2	220
		18	6.9	0.27	58.1	39.1	210	47.2	160
		22	142	0.56	226	152	830	186.5	640
	6	20	11.3	0.44	154	104	560	125.8	430
		18	9.2	0.36	109	73.4	400	89.9	310
		22	16.7	0.66	318	214	1250	280.9	960
		22	14.1	0.56	230	154	850	191.0	650
	9	18	10.6	0.42	154	103	600	134.8	460
		22	18.7	0.74	426	286	1630	366.3	1250
		20	15.7	0.62	301	203	1120	251.7	860
		18	11.8	0.46	195	121	790	177.5	610
	12	22	21.0	0.83	533	358	1950	438.2	1500
		20	17.5	0.69	378	254	1400	314.6	1080
		18	14.0	0.55	252	169	1015	228.1	780
		22	21.0	0.83	533	358	1950	438.2	1500

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Conductor Gauge		FOTUX Part Number				
		3	6	9	12	15
PVC						
22AWG	HSM9832212	HSM9862212	HSM9892212	HSM98122212	HSM98152212	
20AWG	HSM9832012	HSM9862012	HSM9892012	HSM98122012	HSM98152012	
18AWG	HSM9831812	HSM9861812	HSM9891812	HSM98121812	HSM98151812	
LSZH						
22AWG	HSM9832221	HSM9862221	HSM9892221	HSM98122221	HSM98152221	
20AWG	HSM9832021	HSM9862021	HSM9892021	HSM98122021	HSM98152021	
18AWG	HSM9831821	HSM9861821	HSM9891821	HSM98121821	HSM98151821	

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

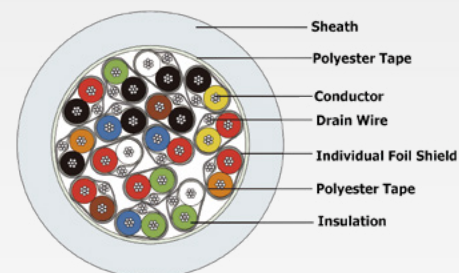
Voltage Rating

450/750V

Characteristic Impedance

50Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016



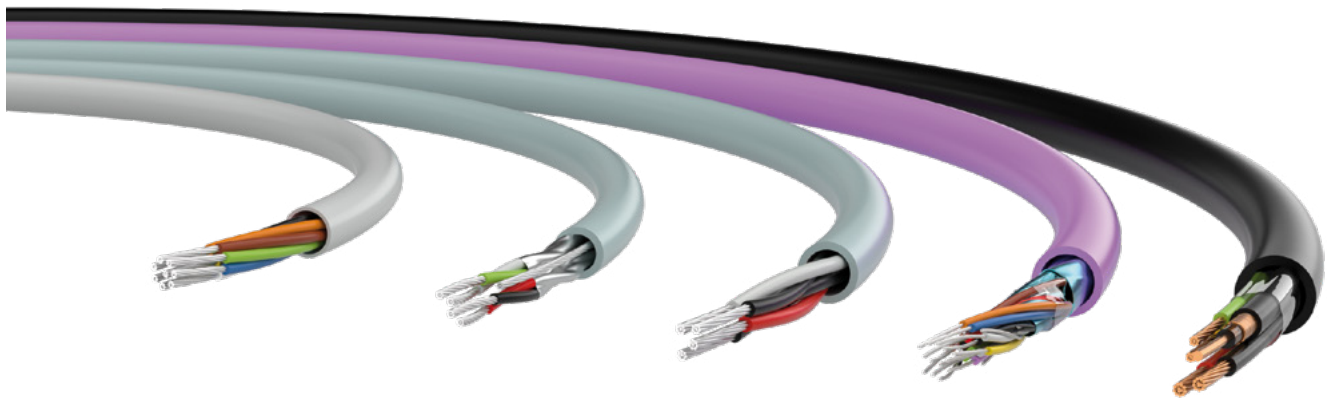
Security Cables

Safeguard your assets with FOTUX's comprehensive line of Security Cables, covering Alarm, Intercom, and composite CCTV solutions. Designed for critical reliability, our cables feature fire-retardant and Low Smoke Zero Halogen (LSZH) jacketing options for building safety, as well as robust water-blocking and armored variants for underground perimeter security.

We understand the need for scalable deployment in large facilities; therefore, our range includes both high-grade copper and cost-effective conductor alloys. This flexibility allows installers to achieve robust surveillance and detection systems while maintaining strict control over material costs.

Customer Service

A wide range of cable designs are available from stock through our distributors. If you cannot locate a new or custom application in this section, please contact our customer service for further information or to request a quote. Additional product and technical details can also be found at www.fotuxcorp.com.



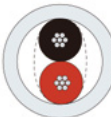
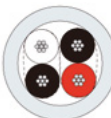
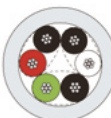
Electronic Cable

Multipair Unshield

General purpose unscreened single and multipair cables with a small outer diameter, frequently used in audio, bus, data, security and instrumentation applications.

Applications:

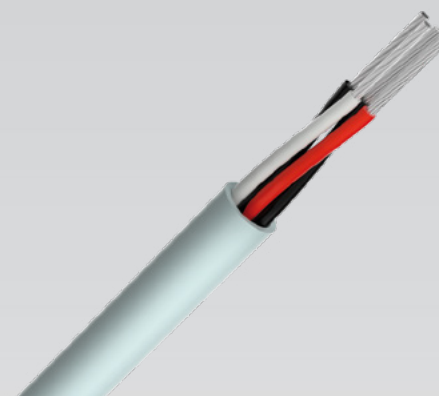
- Equipment internal wiring
- Short-distance signal distribution
- Non-critical control links

Construction	Number of Pairs	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
				Installation			Operation			
		AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	1	22	4.4	0.17	24.6	16.6	45	10	35.0	8.0
		20	5.1	0.20	30.3	20.5	70	15	55	12.0
		18	5.5	0.22	37.3	25.0	100	25	78	17.5
	2	22	6.2	0.24	40.6	27.3	90	20	70.0	15.5
		20	6.7	0.26	51.8	34.8	140	30	110.0	24
		18	7.4	0.29	64.4	43.2	205	45	157.0	34.5
	3	22	6.6	0.26	56.0	36.3	135	30	105.0	23.5
		20	7.6	0.30	69.9	47.0	210	45	165.0	36.0
		18	8.3	0.33	88.1	59.2	300	65	235.0	52.0
	4	22	7.2	0.28	66.5	44.7	180	40	140.0	31.5
		20	8.2	0.32	87.1	58.5	280	60	218.0	48.0
		18	8.9	0.35	110.8	74.4	410	90	314.0	69.0

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Conductor Gauge	FOTUX Part Number			
	1	2	3	4
	PVC			
22	SMT8412212	SMT8422212	SMT8432212	SMT8442212
20	SMT8412012	SMT8422012	SMT8432012	SMT8442012
18	SMT8411812	SMT8421812	SMT8431812	SMT8441812
	LSZH			
22	SMT8412221	SMT8422221	SMT8432221	SMT8442221
20	SMT8412021	SMT8422021	SMT8432021	SMT8442021
18	SMT8411821	SMT8421821	SMT8431821	SMT8441821

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

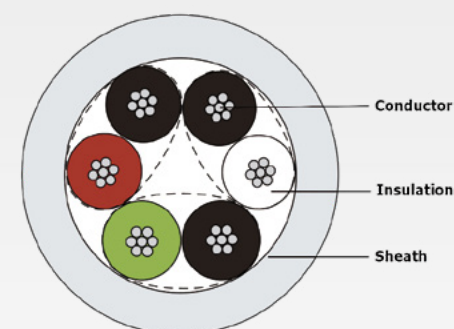
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

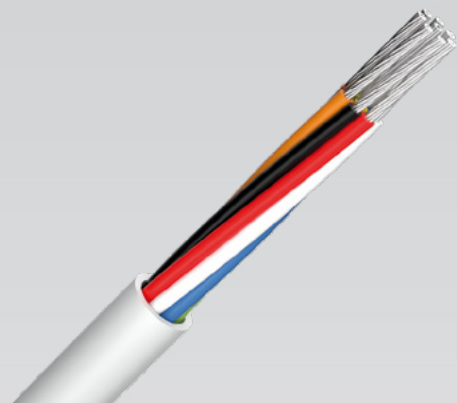
300V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016



Specification

Bend Radius (vs. Cable OD)

Installation	20 x OD
Operation	15 x OD

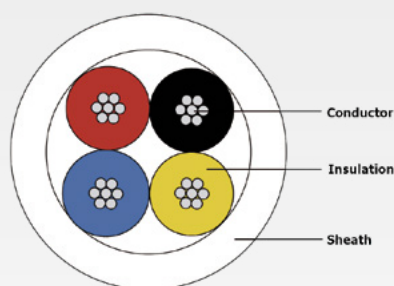
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

50V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- BS4737

Alarm Cable

Multicore Unshield

Designed for inter-connecting sensors and control panels, alarm cables are widely used within the security industry. This cable provides a reliable and economical solution for standard security and fire alarm installations in low-interference environments.

Applications:

- Fire alarm detector
- Security sensor zone
- Door contact connections
- Residential alarm panel

Construction	Number of Cores	Conductor Cross Sectional Area	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
							N	lbs-f	N	lbs-f
	4	0.22	3.9	0.15	20.8	14.0	50.0	11.2	40	9.0
	6	0.22	4.6	0.18	29.0	19.5	85.0	19.1	65	14.6
	8	0.22	4.9	0.19	37.2	25.0	110.0	24.7	85	19.1
	12	0.22	6.4	0.25	57.4	38.6	170.0	38.2	130	29.2

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Cable Sheath	FOTUX Part Number			
	4	6	8	12
PVC	SMT55412	SMT55612	SMT55812	SMT551212
LSZH	SMT55421	SMT55621	SMT55821	SMT551221

For an exhaustive selection, contact FOTUX sales representative.

Alarm Cable

Multicore Unshield

Designed for inter-connecting sensors and control panels, alarm cables are widely used within the security industry. This cable provides a reliable and economical solution for standard security and fire alarm installations in low-interference environments.

Applications:

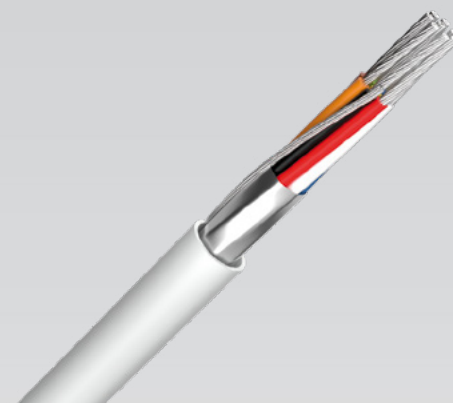
- Fire alarm detector
- Security sensor zone
- Door contact connections
- Residential alarm panel

Construction	Number of Cores	Conductor Cross Sectional Area	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
		mm ²	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	4	0.22	4.0	0.16	22.2	14.9	65.0	14.6	50	11.2
	6	0.22	4.7	0.18	30.4	20.4	90.0	20.2	70	15.7
	8	0.22	4.9	0.19	37.5	25.2	120.0	27.0	90	20.2
	12	0.22	6.1	0.24	53.3	35.8	175.0	39.3	135	30.3

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Cable Sheath	FOTUX Part Number			
	4	6	8	12
PVC	SMT65412	SMT65612	SMT65812	SMT651212
LSZH	SMT65421	SMT65621	SMT65821	SMT651221

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation	20 x OD
Operation	15 x OD

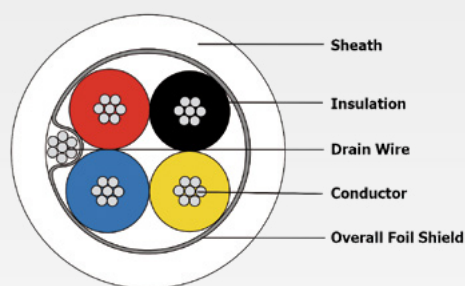
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

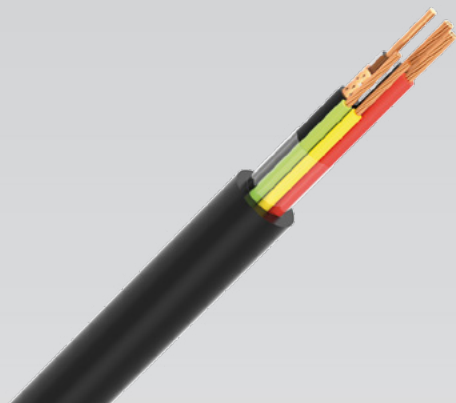
50V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- BS4737



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

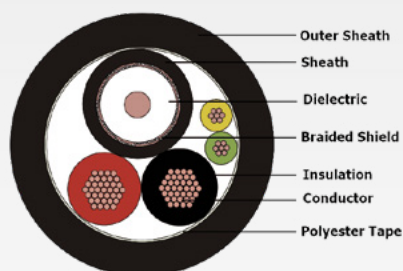
Voltage Rating

30V

Characteristic Impedance

75Ω

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016

CCTV Cable

Composite Coaxial & Power

CCTV cable transmits both video signals and power to surveillance cameras in a single integrated design. Its robust construction ensures reliable performance for security systems in indoor and outdoor installations.

Applications:

- Surveillance camera power
- Analog video transmission
- Security system
- Outdoor monitoring setups

Construction	Co-axial	Cond. Cross Sectional Area-Power	Condu. Cross Sectional Area-Data	Cable Diameter		Weight		Tensile Strength			
								Installation		Operation	
		mm²	mm²	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	RG 59	0.75	N/A	10.0	0.4	99.6	66.9	180.0	40.4	140	31.5
	RG 59	1.5	0.22	10.7	0.42	125	84.1	300.0	67.4	230	51.7

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Cable Sheath	FOTUX Part Number	
	0.75 mm²	1.5 mm²
PVC	SMT39112	SMT39212
LSZH	SMT39121	SMT39221

For an exhaustive selection, contact FOTUX sales representative.

Access Control Cable

Multipair Individual Foil Shield

Specifically designed for proprietary access control systems, these cables are widely used in public buildings including hospitals, government and local authority offices as well as commercial and retail organisations where security and safety are important.

Applications:

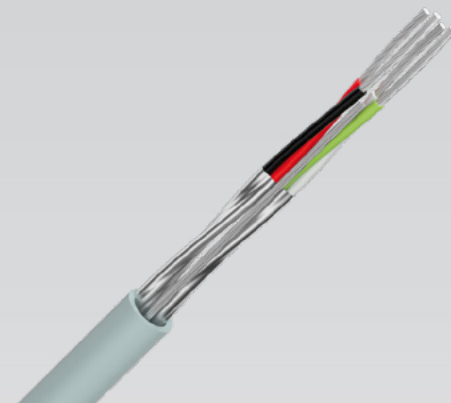
- Electric lock power
- Card reader links
- Panel communication buses

Construction	Number of Pairs	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
		AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	1	22	3.5	0.14	20	13.4	55	12.4	40	9
	2	22	4.3	0.17	32	21.5	90	20.2	70	15.7
	3	22	6.9	0.27	79	47.0	130	29.2	100	22.5

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Cable Sheath	FOTUX Part Number		
	1	2	3
PVC	SMT87112	SMT87212	SMT87312
LSZH	SMT87121	SMT87221	SMT87321

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

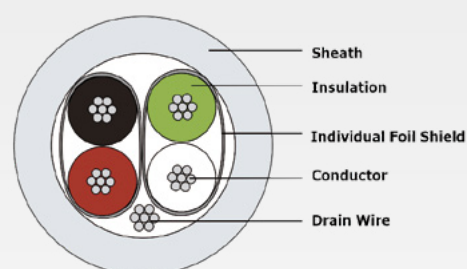
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

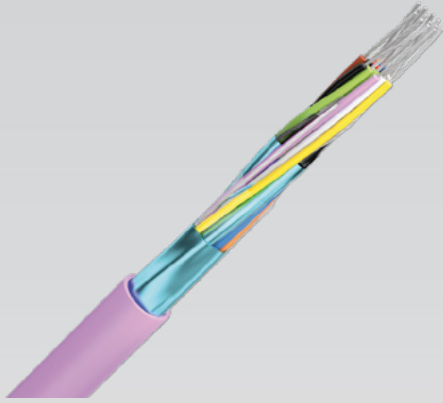
450/750V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

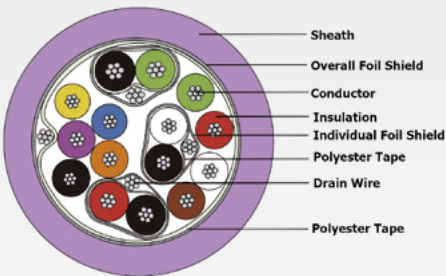
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

450/750V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016

Composite Access Control

Multipair & Multicore Special Shield

Also known as Purple Pipe cable, this composite access control cable has been specifically designed for proprietary access control systems. They are widely used in public buildings including hospitals, government and local authority offices as well as commercial and retail organisations where security and safety are important.

Applications:

- Multi-door system
- Power and data integration
- Centralized security
- Panel-to-reader connections

Construction	Con- ductor Gauge - Pair 1	Con- ductor Gauge - Pair 2&3	Con- ductor Gauge - Core	Cable Diameter		Weight		Tensile Strength			
								Installation		Operation	
	AWG	AWG	AWG	mm	in	kg/ km	lb/ 1000ft	N	lbs- f	N	lbs- f
	20	22	22	8.8	0.24	270	181	435.0	97.8	335	75.3

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Cable Sheath	FOTUX Part Number
PVC	SMT9712
LSZH	SMT9721

For an exhaustive selection, contact FOTUX sales representative.



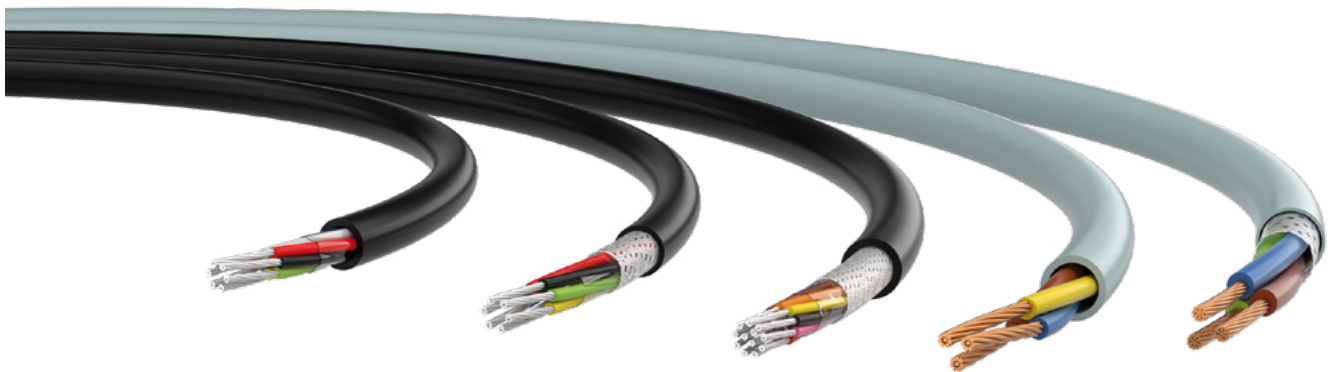
Control Cables

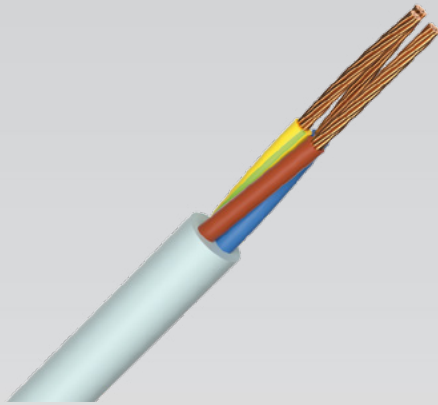
FOTUX Control Cables provide precise command transmission for Building Management Systems (BMS) and industrial instrumentation. Our diverse inventory includes screened (CY), unscreened (YY), and steel-braided (SY) multicore cables designed to suppress electromagnetic interference. We offer varied sheath compositions to resist chemicals and oils, alongside Steel Wire Armor (SWA) options for uncompromising protection in exposed or buried runs.

To support diverse engineering specifications, we offer adaptable manufacturing options, including value-engineered conductor materials. This ensures that whether for complex automation logic or simple signal relays, you receive a solution that balances technical compliance with economic value

Customer Service

A wide range of cable designs are available from stock through our distributors. If you cannot locate a new or custom application in this section, please contact our customer service for further information or to request a quote. Additional product and technical details can also be found at www.fotuxcorp.com.





Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	7.5 x OD

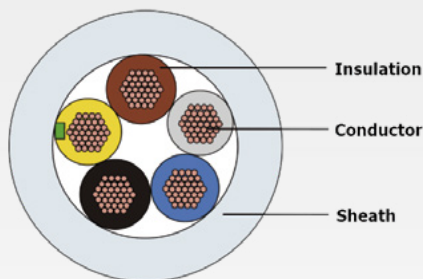
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

300/500V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016

YY Cable

Multicore Unshield

YY multicore cables offer flexibility through the use of fine copper wire stranding and pliable compounds. YY cables are ideal for use on portable or movable equipment or where flexibility will make installation considerably easier.

Applications:

- Control cabinet interna
- Motor starter circuit links
- Power supply signal distribution
- Instrumentation terminal

Construction	Number of Cores	Cond. Cross Sectional Area	Cable Diameter	Weight	Tensile Strength			
					Installation		Operation	
					N	lbs-f	N	lbs-f
	2	0.75	6.3	0.25	55.4	37.2	100	22.5
		1.0	6.6	0.26	64.1	43.1	130	29.2
		1.5	7.8	0.31	89.6	60.2	190	42.7
		2.5	9.3	0.37	133	89.5	310	69.7
	3	0.75	6.6	0.26	66.0	44.3	145	32.6
		1.0	7.4	0.29	83.6	56.2	195	43.8
		1.5	8.4	0.33	112	75.3	290	65.2
		2.5	10.2	0.40	172	115	470	105.6
	4	0.75	7.6	0.30	86.6	58.2	145	32.6
		1.0	8.0	0.32	101	68.0	195	43.8
		1.5	9.2	0.36	137	92	290	65.2
		2.5	11.2	0.44	210	141	470	105.6
	5	0.75	8.3	0.33	102	68.2	145	32.6
		1.0	8.8	0.34	119	80.0	195	43.8
		1.5	10.4	0.41	171	115	290	65.2
		2.5	12.6	0.5	260	175	470	105.6

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Cond. Cross Sectional Area	FOTUX Part Number			
	2	3	4	5
PVC				
0.75 mm²	CL302112	CL303112	CL304112	CL305112
1.0 mm²	CL302212	CL303212	CL304212	CL305212
1.5 mm²	CL302312	CL303312	CL304312	CL305312
2.5 mm²	CL302412	CL303412	CL304412	CL305412
LSZH				
0.75 mm²	CL302121	CL303121	CL304121	CL305121
1.0 mm²	CL302221	CL303221	CL304221	CL305221
1.5 mm²	CL302321	CL303321	CL304321	CL305321
2.5 mm²	CL302421	CL303421	CL304421	CL305421

For an exhaustive selection, contact FOTUX sales representative.

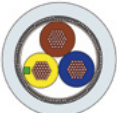
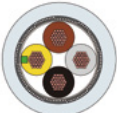
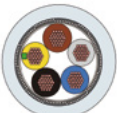
LiYCY Cable

Multicore Overall Braided Shield

LiYCY Control Cable offers flexible and durable wiring for moving parts in industrial machinery. Its finely stranded conductors and jacket protection ensure reliable signal and power transmission in dynamic applications like cable carriers.

Applications:

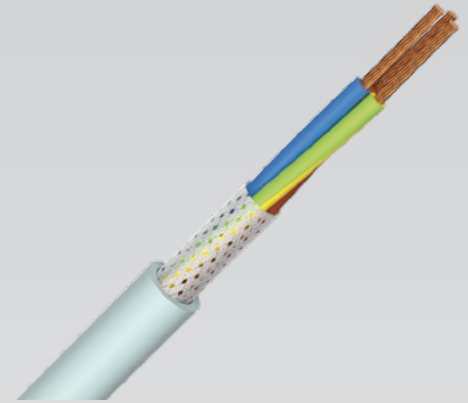
- Robotic arm internal connections
- Moving machine part
- Automated conveyor system links
- Dynamic sensor power supply

Construction	Number of Cores	Cond. Cross Sectional Area	Cable Diameter	Weight	Tensile Strength			
					Installation		Operation	
		mm ²	mm	in	kg/km	lb/1000ft	N	lbs-f
	2	0.75	6.8	0.27	59.6	40.0	100	22.5
		1.0	7.1	0.28	82.4	55.4	130	29.2
		1.5	8.3	0.32	115	77.0	190	42.7
		2.5	9.9	0.39	170	114	310	69.7
	3	0.75	7.1	0.28	87.3	58.7	145	32.6
		1.0	7.9	0.31	107	72.2	195	43.8
		1.5	8.9	0.35	139	94.0	290	65.2
		2.5	11.8	0.46	217	146	470	105.6
	4	0.75	8.1	0.32	110	74.1	145	32.6
		1.0	8.5	0.34	217	85.1	195	43.8
		1.5	9.7	0.38	166	121	290	65.2
		2.5	11.8	0.46	255	171	470	105.6
	5	0.75	8.8	0.35	217	85.5	145	32.6
		1.0	9.3	0.36	147	98.7	195	43.8
		1.5	11.1	0.44	221	142	290	65.2
		2.5	13.2	0.52	310	208	470	105.6

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Cond. Cross Sectional Area	FOTUX Part Number			
	2	3	4	5
PVC				
0.75 mm ²	CL322112	CL323112	CL324112	CL325112
1.0 mm ²	CL322212	CL323212	CL324212	CL325212
1.5 mm ²	CL322312	CL323312	CL324312	CL325312
2.5 mm ²	CL322412	CL323412	CL324412	CL325412
LSZH				
0.75 mm ²	CL322121	CL323121	CL324121	CL325121
1.0 mm ²	CL322221	CL323221	CL324221	CL325221
1.5 mm ²	CL322321	CL323321	CL324321	CL325321
2.5 mm ²	CL322421	CL323421	CL324421	CL325421

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	7.5 x OD

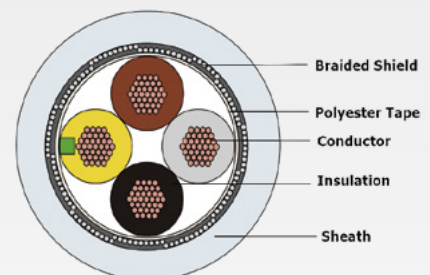
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

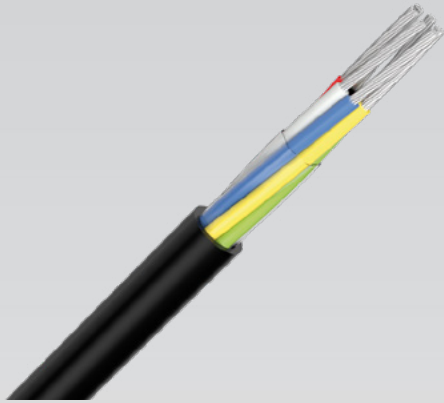
300/500V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	7.5 x OD

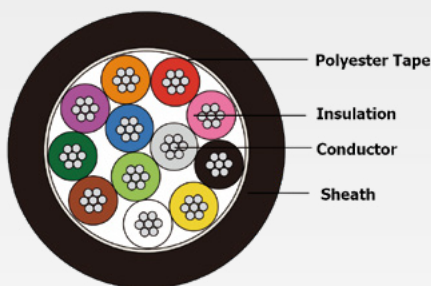
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

440V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- Defence Standard 61-12

Defence Type A Cable

Multicore Unshield

Defence Type A Cable meets rigorous military standards for durability and performance in extreme conditions. Its robust construction ensures reliable power, control, and communication for critical defense and aerospace applications.

Applications:

- Military vehicle electrical systems
- Naval shipboard equipment
- Ground support equipment power
- Defense shelter infrastructure

Construction	Number of Cores	Cond. Cross Sectional Area	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
		mm ²	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	2	0.055	2.0	0.08	4.3	2.9	8.0	1.8	6	1.3
		0.22	3.4	0.13	13.1	8.8	35.0	7.9	25	5.6
		0.5	4.8	0.19	26.5	17.8	65.0	14.6	50	11.2
	3	0.055	2.1	0.08	5.2	3.5	10.0	2.2	8	1.8
		0.22	3.6	0.14	16.8	11.3	45.0	10.1	35	7.9
		0.5	5.1	0.20	34.7	23.3	100.0	22.5	75	16.9
	4	0.055	2.3	0.09	6.2	4.2	15.0	3.4	11	2.5
		0.22	3.9	0.15	20.8	14.0	60.0	13.5	45	10.1
		0.5	5.6	0.22	43.5	29.3	130.0	29.2	100	22.5
	6	0.055	2.6	0.1	8.2	5.5	20.0	4.5	16	3.6
		0.22	4.6	0.18	29.0	19.5	85.0	19.1	65	14.6
		0.5	6.9	0.27	64.5	43.3	195.0	43.8	150	33.7
	8	0.055	2.7	0.22	9.9	6.6	30.0	6.7	21	4.7
		0.22	4.9	0.19	37.2	25.0	110.0	24.7	85	19.1
		0.5	7.4	0.29	83.9	56.4	260.0	58.4	200	44.9
	12	0.055	3.5	0.14	15.3	10.3	40.0	9.0	32	7.2
		0.22	6.4	0.25	57.4	38.6	170.0	38.2	130	29.2
		0.5	9.2	0.36	122	82.2	390.0	87.6	300	67.4
	18	0.055	4.0	0.16	20.7	13.9	65.0	14.6	48	10.8
		0.22	7.6	0.3	83.8	56.3	260.0	58.4	200	44.9
		0.5	11.3	0.44	186	125	570.0	128.1	440	98.9

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

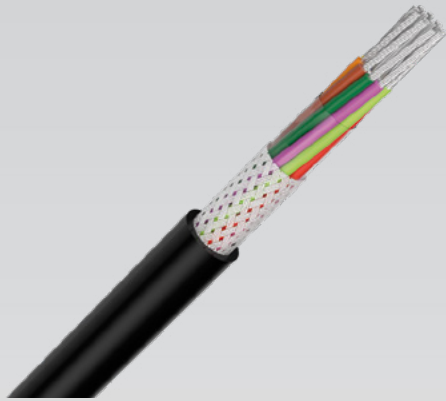
Defence Type A Cable *(continued)*

Multicore Unshield

Number of Cores	FOTUX Part Number		
	0.055 mm²	0.22 mm²	0.5 mm²
PVC			
2	CL3922112	CL3922212	CL3922312
3	CL3923112	CL3923212	CL3923312
4	CL3924112	CL3924212	CL3924312
6	CL3926112	CL3926212	CL3926312
8	CL3928112	CL3928212	CL3928312
12	CL39212112	CL39212212	CL39212312
18	CL39218112	CL39218212	CL39218312
LSZH			
2	CL3922121	CL3922221	CL3922321
3	CL3923121	CL3923221	CL3923321
4	CL3924121	CL3924221	CL3924321
6	CL3926121	CL3926221	CL3926321
8	CL3928121	CL3928221	CL3928321
12	CL39212121	CL39212221	CL39212321
18	CL39218121	CL39218221	CL39218321

For an exhaustive selection, contact FOTUX sales representative.





Defence Type C Cable

Multicore Overall Braided Shield

Defence Type C Cable is engineered for critical signal transmission in defense applications. Its precision-controlled impedance and superior shielding ensure reliable performance in radar, guidance, and electronic warfare systems under extreme conditions.

Applications:

- Military vehicle electrical systems
- Naval shipboard equipment
- Ground support equipment power
- Defense shelter infrastructure

Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	7.5 x OD

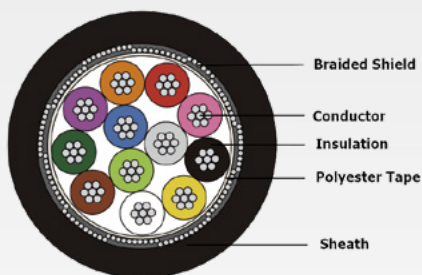
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

440V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- Defence Standard 61-12

Construction	Number of Cores	Cond. Cross Sectional Area	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
		mm²	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	2	0.055	2.3	0.09	7.8	5.2	8.0	1.8	6	1.3
		0.22	3.8	0.15	20.8	13.9	35.0	7.9	25	5.6
		0.5	5.5	0.22	41.6	27.9	65.0	14.6	50	11.2
	3	0.055	2.4	0.1	9.0	6.0	10.0	2.2	8	1.8
		0.22	4.2	0.17	26.6	17.9	45.0	10.1	35	7.9
		0.5	5.8	0.23	51.0	32.2	100.0	22.5	75	16.9
	4	0.055	2.6	0.1	10.4	7.0	15.0	3.4	11	2.5
		0.22	4.3	0.17	29.8	20.0	60.0	13.5	45	10.1
		0.5	6.3	0.25	62.1	42.7	130.0	29.2	100	22.5
	6	0.055	3.22	0.13	15.4	10.3	20.0	4.5	16	3.6
		0.22	5.4	0.21	45.0	30.2	85.0	19.1	65	14.6
		0.5	7.4	0.29	83.0	55.7	195.0	43.8	150	33.7
	8	0.055	3.3	0.13	17.7	11.9	30.0	6.7	21	4.7
		0.22	5.2	0.20	49.9	33.5	110.0	24.7	85	19.1
		0.5	7.4	0.29	101	68.0	260.0	58.4	200	44.9
	12	0.055	4.1	0.16	25.0	16.8	40.0	9.0	32	7.2
		0.22	7.1	0.28	78.6	52.8	170.0	38.2	130	29.2
		0.5	10.0	0.40	153	103	390.0	87.6	300	67.4
	18	0.055	4.6	0.18	31.7	21.3	65.0	14.6	48	10.8
		0.22	7.8	0.31	106	71.3	260.0	58.4	200	44.9
		0.5	11.5	0.45	208	140	570.0	128.1	440	98.9

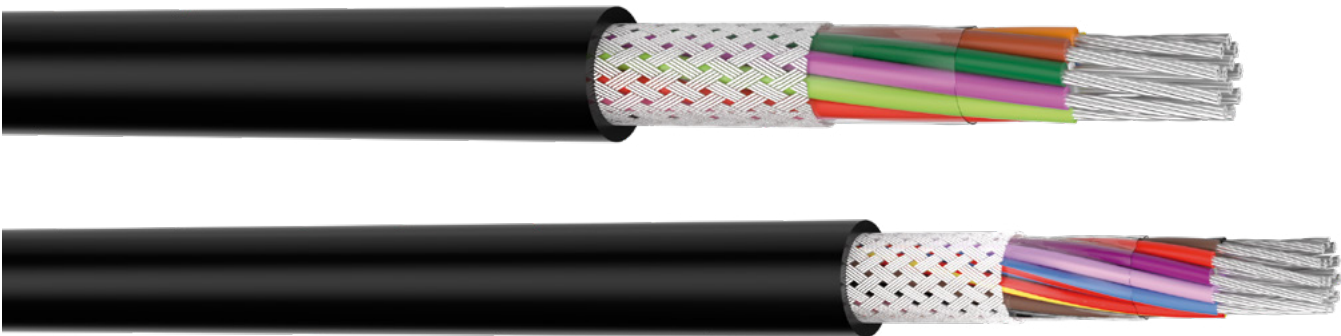
* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

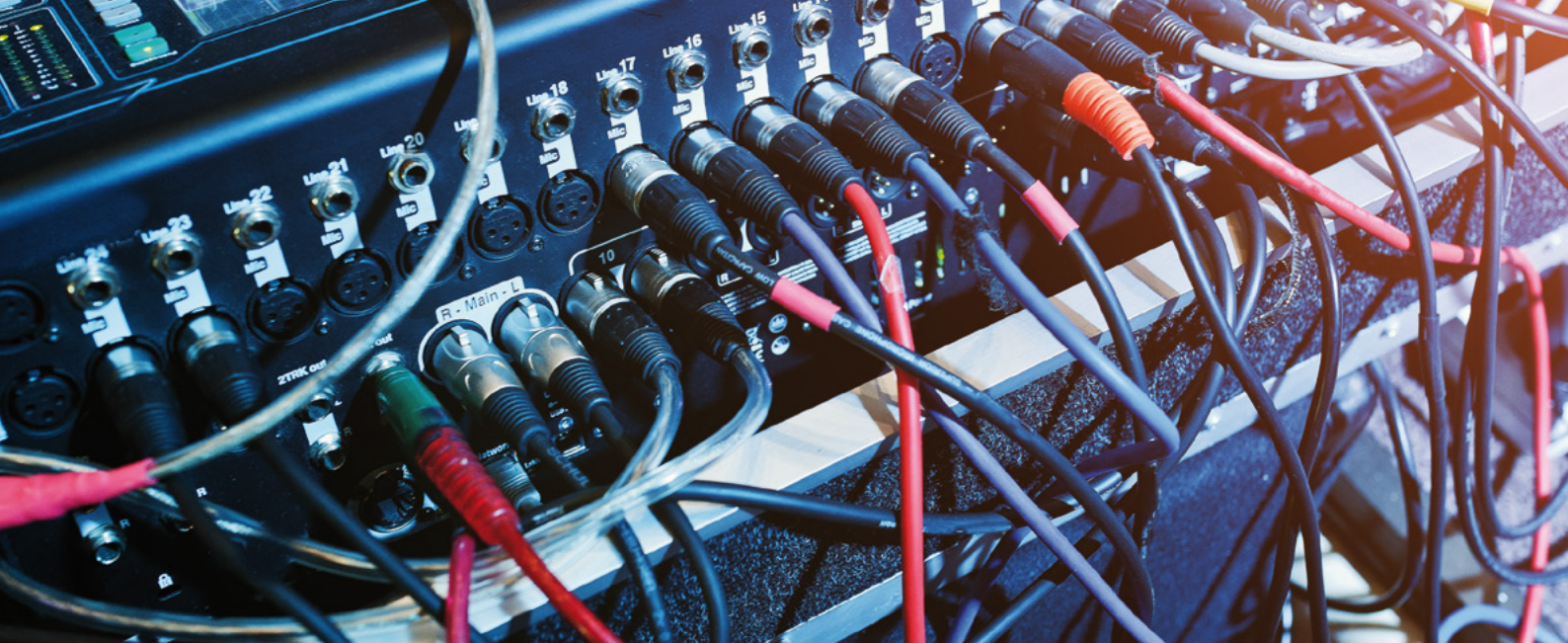
Defence Type C Cable *(continued)*

Multicore Overall Braided Shield

Number of Cores	FOTUX Part Number		
	0.055 mm²	0.22 mm²	0.5 mm²
PVC			
2	CL3932112	CL3932212	CL3932312
3	CL3933112	CL3933212	CL3933312
4	CL3934112	CL3934212	CL3934312
6	CL3936112	CL3936212	CL3936312
8	CL3938112	CL3938212	CL3938312
12	CL39312112	CL39312212	CL39312312
18	CL39318112	CL39318212	CL39318312
LSZH			
2	CL3932121	CL3932221	CL3932321
3	CL3933121	CL3933221	CL3933321
4	CL3934121	CL3934221	CL3934321
6	CL3936121	CL3936221	CL3936321
8	CL3938121	CL3938221	CL3938321
12	CL39312121	CL39312221	CL39312321
18	CL39318121	CL39318221	CL39318321

For an exhaustive selection, contact FOTUX sales representative.





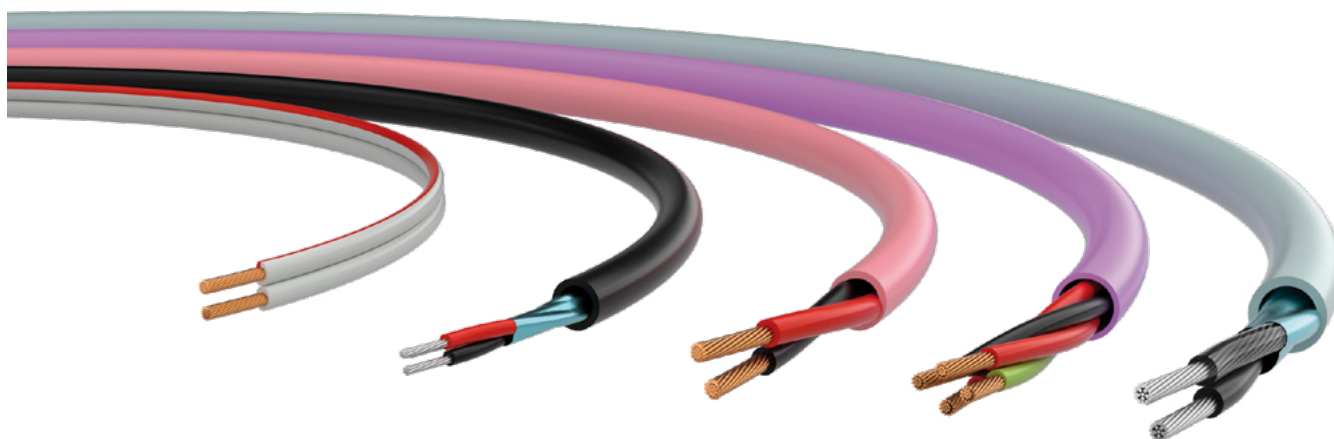
Audio Visual

Explore FOTUX Cable's extensive Audio Visual portfolio, featuring a wide spectrum of Speaker, Microphone, and Analog & Digital Cables designed for seamless signal transmission. Our diverse range adapts to any installation environment through customizable jacket materials—including PVC, PE, and LSZH—along with optional armoring for superior mechanical protection in rugged conditions.

To accommodate flexible project budgeting, we offer versatile conductor configurations, ranging from premium oxygen-free copper to cost-effective composite alternatives. Whether for high-fidelity studio setups or large-scale commercial integration, FOTUX delivers the ideal balance of specific cable variety, durability, and economic value.

Customer Service

A wide range of cable designs are available from stock through our distributors. If you cannot locate a new or custom application in this section, please contact our customer service for further information or to request a quote. Additional product and technical details can also be found at www.fotuxcorp.com.



Electronic Cable

Single Pair Overall Foil Shield

Single Pair Screened Electronic Cable provides precise signal transmission for sensitive analog or digital circuits. Its dedicated shielding protects against EMI, ensuring data integrity in measurement, control, and audio applications.

Applications:

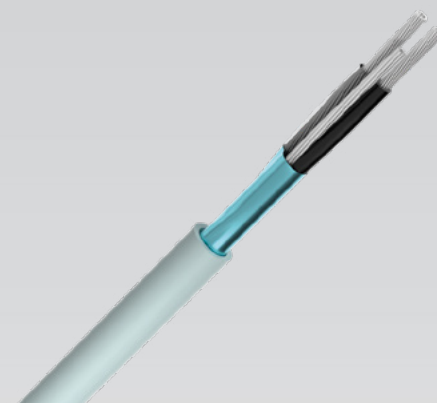
- Analog sensor signal
- Studio microphone line
- Digital audio equipment connections

Construction	Conductor Gauge	Cable Diameter		Weight	Tensile Strength				
					Installation		Operation		
	AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	22	4.2	0.16	21.2	13.1	60.0	13.5	45	10.1
	20	4.8	0.19	30.8	19.0	90.0	20.2	70	15.7
	18	5.6	0.22	41.6	25.7	135.0	30.3	105	23.6
	16	6.3	0.25	56	34.5	220.0	49.4	170	38.2
	14	7.0	0.28	77.8	48	345.0	77.5	265	59.6

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

FOTUX Part Number		
Conductor Gauge	Cable Sheath	
	PVC	LSZH
22AWG	DY872212	DY872221
20AWG	DY872012	DY872021
18AWG	DY871812	DY871821
16AWG	DY871612	DY871621
14AWG	DY871412	DY871421

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

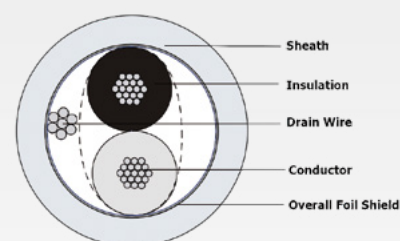
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

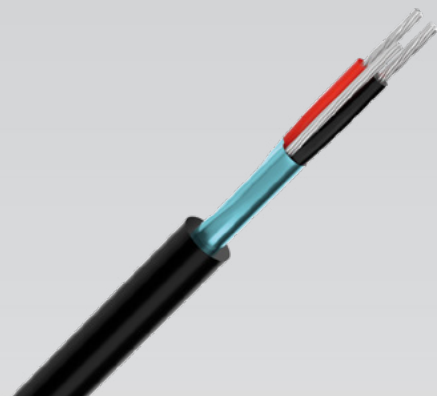
450/750V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- EN 50288-7



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

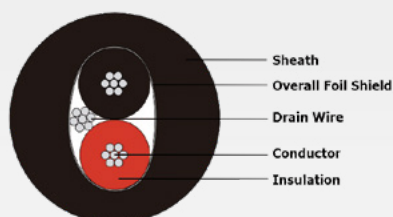
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

300/500V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016
- EN 50288-7

Digital Audio Cable

Single Pair Overall Foil Shield

This dual-purpose cable supports both high-fidelity analog audio and AES/EBU digital audio transmission within a single robust design. It ensures signal integrity for critical studio and broadcast connections.

Applications:

- Broadcast console digital links
- Live sound analog connections
- Theater digital audio distribution

Construction	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
						Installation		Operation	
	AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	24	4.0	0.16	21	14.1	40	9	30	6.7
	22	4.8	0.19	27	18	55	12.4	40	9
	20	6.0	0.24	34	22.8	80	18	60	13.5

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Conductor Gauge	FOTUX Part Number	
	Cable Sheath	
	PVC	LSZH
24AWG	DY142412	DY142421
22AWG	DY142212	DY142221
20AWG	DY142012	DY142021

For an exhaustive selection, contact FOTUX sales representative.

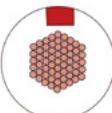
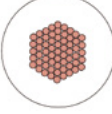
Parallel Speaker Cable

Single Pair Unshield

Parallel Speaker Cable efficiently connects amplifiers to multiple speakers using a single run. Its side-by-side conductor design simplifies installation for background music and distributed sound systems in commercial spaces.

Applications:

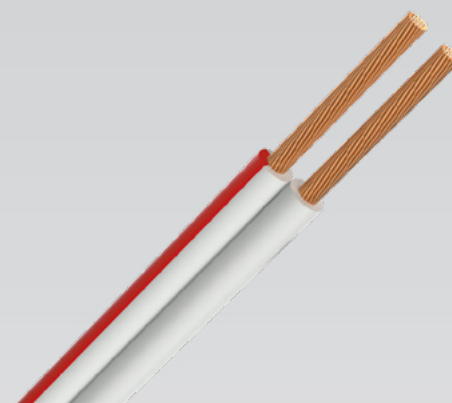
- Background music speaker systems
- Distributed audio zone
- Multi-room retail sound

Construction	Conductor Cross Sectional Area	Cable Diameter		Weight		Tensile Strength			
						Installation		Operation	
	mm ²	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	0.75	1.9x 3.8	0.07x 0.13	18.8	12.6	100	22.5	80	18
	1.5	2.3x 4.6	0.09x 0.18	31.1	21	200	45	150	33.7
	2.5	2.8x 5.6	0.11x 0.22	52.3	35	300	67.4	230	51.7
	4.0	3.6x 7.2	0.14x 0.28	84.4	57	500	112.4	380	85.4

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Conductor Cross Sectional Area	FOTUX Part Number	
	Cable Sheath	
	PVC	LSZH
0.75 mm ²	DY235212	DY235221
1.5mm ²	DY235412	DY235421
2.5mm ²	DY235612	DY235621
4.0mm ²	DY235712	DY235721

For an exhaustive selection, contact FOTUX sales representative.



Specification

Bend Radius (vs. Cable OD)

Installation 15 x OD

Operation 10 x OD

Temperature Range

Storage -10°C to 40°C
(-40°F to 158°F)

Installation (PVC) 0°C to 40°C
(32°F to 104°F)

Installation (LSZH) 0°C to 40°C
(32°F to 104°F)

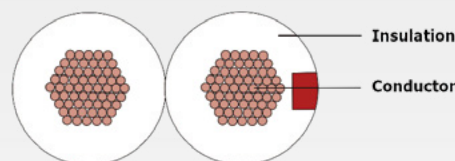
Operation (PVC) -15°C to 65°C
(5°F to 149°F)

Operation (LSZH) -30°C to 70°C
(-22°F to 158°F)

Voltage Rating

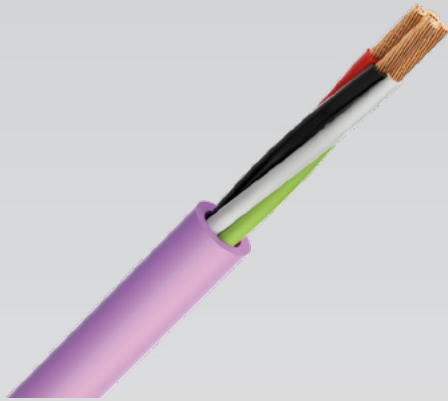
300/500V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016



Specification

Bend Radius (vs. Cable OD)

Installation	15 x OD
Operation	10 x OD

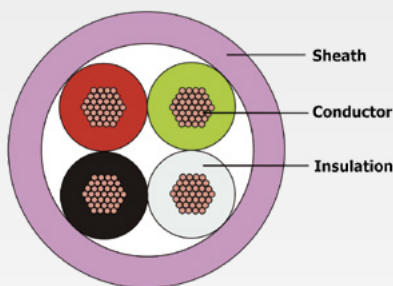
Temperature Range

Storage	-10°C to 40°C (-40°F to 158°F)
Installation (PVC)	0°C to 40°C (32°F to 104°F)
Installation (LSZH)	0°C to 40°C (32°F to 104°F)
Operation (PVC)	-15°C to 65°C (5°F to 149°F)
Operation (LSZH)	-30°C to 70°C (-22°F to 158°F)

Voltage Rating

450/750V

Legend



Compliance

- RoHS II 2011/65/EU
- REACH EC1907-2006
- ISO 4892-3
- EN 13501-6
- EN 50575: 2014+A1:2016

Speaker Cable

Single Pair Unshield

Speaker Cable efficiently transfers amplified audio signals from receivers to speakers. Its optimized conductor design ensures minimal power loss and clear sound reproduction for home theaters, studios, and live sound systems.

Applications:

- Home theater system
- Studio monitor connections
- Live sound speaker

Construction	Number of Cores	Conductor Gauge	Cable Diameter		Weight		Tensile Strength			
							Installation		Operation	
		AWG	mm	in	kg/km	lb/1000ft	N	lbs-f	N	lbs-f
	2	16	6.2	0.24	47.5	29.4	170.0	38.2	130	29.2
		14	7.0	0.27	75.0	40.0	260.0	58.4	200	44.9
		12	7.9	0.31	91.5	56.5	415.0	93.3	320	71.9
	4	16	7.1	0.28	79.3	48.9	330.0	74.2	255	57.3
		14	8.1	0.32	112	69.0	520.0	116.9	400	89.9
		12	9.4	0.37	166	103	830	186.5	640	143.8

* Above specifications provide the representation for conventional constructions. Please consult individual technical data sheets for customized specifications.

Number of Cores	FOTUX Part Number		
	16AWG	14AWG	12AWG
PVC			
2	DY2821612	DY2821412	DY2821212
4	DY2841612	DY2841412	DY2841212
LSZH			
2	DY2821621	DY2821421	DY2821221
4	DY2841621	DY2841421	DY2841221

For an exhaustive selection, contact FOTUX sales representative.

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Customer Service & Product Support Offices



Hangzhou Office | AUX Center, Cangqian Street, Yuhang District, Hangzhou, PRC



Yantai Office | Science&Technology Park, High-tech District, Yantai, PRC

About FOTUX

For 25 years, FOTUX has been a global leader in manufacturing high-performance data cables and connectivity systems. Based in Hangzhou, China, we provide reliable solutions for telecommunications, data centers, industrial automation, medical technology, and high-end consumer electronics. Our products power the world's critical connections—enabling faster data transfer, stable signal control, and efficient energy transmission. Trusted by clients in over 20 countries and regions, we are dedicated to engineering the connectivity solutions that drive progress. For more information, visit us at www.fotuxcorp.com; follow us on YouTube, Facebook and Instagram.