

Keithley Cables Selector Guide

Model	Description	Type	TERMINATIONS		LENGTH		USE WITH:
			From	To	m	ft	
237-ALG-2	Low Noise Input	Triax	3-slot male triax	Alligator clips (3)	2	6.6	Series 2200, Series 2600B, 4200-PA, 6220, 6221, 6482, 6487, 6514, 6517A, 6517B
2107-4	Input Cable	Shielded twisted pair	LEMO	Copper spade lugs (4)	1.2	4	2182A
2290-5-SHV	Input Cable	Coax	SHV Female	SHV Female	3	10	2290-5, 2290-5-SHVBH
2290-5-MHV	Input Cable	Coax	SHV Female	MHV Male	3	10	2290-5
2290-10-SHV	Input Cable	Coax	SHV Male	SHV Male	3	10	2290-10, 2290-10-SHVBH
2290-10-SHVUC	Input Cable	Coax	SHV Male	Unterminated	3	10	2290-10
2290-INT-CABLE	Interlock Cable	3-conductor	3-pin	Unterminated	3.05	10	2290-5, 2290-10
2450-TRX-BAN	Adapter Cable	Triax	3-slot male triax	Banana input jack	0.3	1	2450
2600-ALG-2	Low Noise Input	Triax	3-slot male triax	Alligator clips (3)	2	6.6	2635B, 2636B, 4200-PA
2651A-KIT-3	Cable Assembly	Coax	2-pin plug	2-pin plug	3	10	2651A, 8011
3720-MTC-3	Mass Terminated Assembly	Shielded multiple conductor	D-sub female	78-pin D-sub male	3	10	3720, 3723, 3724
3721-MTC-3	Mass Terminated Assembly	Shielded multiple conductor	D-sub female	50-pin D-sub male	3	10	3721, 3730, 3731, 3740, 3750
3722-MTC-3	Mass Terminated Assembly	Shielded twisted pair	D-sub male	104-pin D-sub female	3	10	3722
4200-MTRX-1	Ultra Low Noise	SMU triax	Miniature male	3-slot male	1	3.2	4200A-SCS
4200-MTRX-2	Ultra Low Noise	SMU triax	Miniature male	3-slot male	2	6.5	4200A-SCS
4200-MTRX-3	Ultra Low Noise	SMU triax	Miniature male	3-slot male	3	9.8	4200A-SCS
4200-RPC-2	Cable Assembly	Remote PreAmp	DB15	DB15	2	6.5	4200-PA
4200-TRX-0.3	Ultra Low Noise	PreAmp triax	3-slot male	3-slot male	0.3	1ft	4200-PA
4200-TRX-1	Ultra Low Noise	PreAmp triax	3-slot male	3-slot male	1	3.2	4200-PA
4200-TRX-2	Ultra Low Noise	PreAmp triax	3-slot male	3-slot male	2	6.5	4200-PA
4200-TRX-3	Ultra Low Noise	PreAmp triax	3-slot male	3-slot male	3	9.8	4200-PA
4801	Low Noise Input	Coax	Male BNC	Male BNC	1.2	4	6482, 6485
4803	Low Noise Cable Kit	Coax	Male BNC (10)	Female BNC (5)	15.2	50	6482, 6485
6517B-ILC-3	Interlock Cable	Shielded	4-pin Phoenix	4-pin DIN	1	3.3	6517B, 8009
7051-10	BNC Interconnect	Coax	BNC	BNC			2015, 2016, 3390
7078-TRX-1	Low Noise	Triax	3-slot male triax	3-slot male triax	0.3	1	2635B, 2636B, 6482, 6487, 6514, 6517A, 6517B, 7072, 7174A
7078-TRX-3	Low Noise	Triax	3-slot male triax	3-slot male triax	0.9	3	2635B, 2636B, 6482, 6487, 6514, 6517A, 6517B, 7072, 7174A
7078-TRX-5	Low Noise	Triax	3-slot male triax	3-slot male triax	1.5	5	2635B, 2636B, 6482, 6487, 6514, 6517A, 6517B, 7072, 7174A
7078-TRX-10	Low Noise	Triax	3-slot male triax	3-slot male triax	3	10	2635B, 2636B, 6482, 6487, 6514, 6517A, 6517B, 7072, 7174A
7078-TRX-12	Low Noise	Triax	3-slot male triax	3-slot male triax	4	12	2635B, 2636B, 6482, 6487, 6514, 6517A, 6517B, 7072, 7174A
7078-TRX-20	Low Noise	Triax	3-slot male triax	3-slot male triax	6.1	20	2635B, 2636B, 6482, 6487, 6514, 6517A, 6517B, 7072, 7174A
7705-MTC-2	Mass Terminated Assembly	Twisted pair (25)	D-sub male	D-sub female	2	6.6	7703, 7705, 7707, 7709
CA-18-1	Shielded	Coax	Dual banana plug	Dual banana plug	1.2	4	Binding post inputs
CA-19-2	RG58	RG58	BNC male	BNC male	1.5	5	4200A-SCS
CA-126-1A	Digital I/O	Shielded	DB25 male	DB25 female	1.5	5	Series 2600B, Series 3700A
CA-404B	RG188	Coax	SMA male	SMA male	2	6.5	4200A-SCS
CA-405B	RG188	Coax	SMA male	SMA male	0.15	0.5	4200A-SCS

Model	Description	Type	TERMINATIONS		LENGTH		USE WITH:
			From	To	m	ft	
CA-406B	RG188	Coax	SMA male	SMA male	0.33	1.08	4200A-SCS
CA-446A	Cable Assembly	Coax	SMA male	SMA male	3	9.8	4210-CVU
CA-447A	Cable Assembly	Coax	SMA male	SMA male	1.5	5	4210-CVU
CA-451A	RG188	Coax	SMA male	SMA male	0.108	0.35	4200A-SCS
CA-452A	RG188	Coax	SMA male	SMA male	0.203	8 in.	4200A-SCS
CA-557-1A	Cable Assembly	Multiple conductor	8-pin receptacle	8-pin receptacle	1	3.3	2651A, 8011
CA-557-2A	Cable Assembly	Multiple conductor	8-pin receptacle	8-pin receptacle	2	6.6	2651A, 8011
CA-557-3A	Cable Assembly	Multiple conductor	8-pin receptacle	8-pin receptacle	3	10	2651A, 8011
CA-558-2	Interlock Cable	Twisted pair (2)	25-pin D-sub	3-pin	1, 2, 3	3.3, 6.6, 10	Series 2600B, 2657A
CA-559-0A	Black Banana Jumper	Jumper	Banana	Banana	0.102	4 in.	8010
CA-559-2A	Red Banana Jumper	Jumper	Banana	Banana	0.102	4 in.	8010
CA-560-0A	Banana Plug Jumper Cable	Jumper	Banana	Banana	0.203	8 in.	8010
CA-560-2A	Banana Plug Jumper Cable	Jumper	Banana	Banana	0.203	8 in.	8010
CA-561-0A	Black Banana Jumper	Jumper	Banana	Banana	0.203	8 in.	8010
CA-561-2A	Red Banana Jumper	Jumper	Banana	Banana	0.203	8 in.	8010
CA-562-0B	Black Safety Banana Plug Jumper Cable	Jumper	Banana	Banana	0.254	10 in.	8010
CA-562-2B	Red Safety Banana Plug Jumper Cable	Jumper	Banana	Banana	0.254	10 in.	8010
CA-563C	BNC to Banana Jumper	Jumper	BNC	Banana	0.241	9.5 in.	8010
CA-567-0A	Black Banana Jumper	Jumper	Banana	Banana	0.203	8 in.	8010
CA-567-2A	Red Banana Jumper	Jumper	Banana	Banana	0.203	8 in.	8010
CA-568-xA	Protective Earth Ground	Safety	Eye lug	Eye lug	0.3, 0.45, 3	1, 1.5, 10	8010
HV-CA-554-x	3kV Rated	High voltage	Triax	Triax	0.5, 1, 2, 3	1.6, 3.3, 6.6, 10	8010, 2657A
HV-CA-571-3	High Voltage	Triax	Triax	Unterminated			2657A
SC-9	Low Noise	Coax	Unterminated	Unterminated	Sold by the foot		
SC-22	Low Noise	Triax	Unterminated	Unterminated	Sold by the foot		CS-631
SC-182	Low Inductance	Coax	Unterminated	Unterminated	Sold by the foot		2302, 2303, 2303-PJ, 2304A, 2306, 2306-PJ
SHV-CA-553-x	3kV Rated	High voltage	Triax	SHV	1, 3	3.3, 10	2657A



237-ALG-2: Low noise triax cable (SC-22) terminated with a 3-slot male triax connector on one end and 3 alligator clips on the other. 2 m (6.6 ft) length.

For use with: Series 2200, Series 2600B, 4200-PA, 6220, 6221, 6487, 6514, 6482, 6517A, 6517B



2290-10-SHV: 3 m (10 ft) of RG-213/U coaxial cable terminated with a SHV male connector on both ends. Maximum operating voltage is 10,000 Vrms.

For use with: 2290-10, 2290-10-SHVBH



2290-INT-CABLE: Safety interlock cable, 3.05 m (10 ft). 3-conductor cable with 3-pin connector on one end and unterminated wires on the other end.

For use with: 2290-5, 2290-10



2107-4: Low-Thermal Input Cables with Spade Lugs: An input cable terminated with a LEMO connector on one end and four copper spade lugs on the other. 1.2 m (4 ft) length.

For use with: 2182A, Series 2200



2290-10-SHVUC: 3 m (10 ft) of RG-213/U coaxial cable terminated with a SHV male connector on one end and unterminated cable on the other end. Maximum operating voltage is 10,000 Vrms.

For use with: 2290-10



2450-TRX-BAN: For adapting the 2450's rear panel triaxial connectors to banana jack inputs. Length: 0.3 m (1 ft).

For use with: 2450



2600-ALG-2: 2 m (6.6 ft) cable terminated with a 3-slot male triax connector on one end and 3 alligator clips on the other.

For use with: 2635B, 2636B, 4200-PA

For use with: 2290-5

2290-5-SHV: 3 m (10 ft) of RG-8A/U coaxial cable terminated with a SHV female connector on both ends. Maximum operating voltage is 5000 Vrms. Characteristic cable impedance is 50 Ω.

For use with: 2290-5



2651A-KIT-3: High current, low impedance, coaxial cable assembly. 3 m (10 ft).

For use with: 2651A, 8011



4200-MTRX-*: Ultra low noise SMU triax cable is terminated with a miniature male triax connector on one end and a standard 3-slot male triax connector on the other end. This cable connects a 4200-SMU or 4210-SMU source measurement unit installed in a 4200A-SCS to a test fixture. (4200-MTRX-* cables are intended only for connection to an SMU that does not have a 4200-PA PreAmp installed.)

4200-MTRX-1: 1 m (3.2 ft)

4200-MTRX-2: 2 m (6.5 ft) (two included with each 4200A-SCS SMU not configured with a 4200-PA Remote PreAmp)

4200-MTRX-3: 3 m (9.8 ft)

For use with: 4200A-SCS



4200-TRX-*: Ultra low noise PreAmp triax cable terminated with a standard 3-slot male triax connector on each end. This cable connects a 4200-PA PreAmp option installed in the 4200A-SCS to the test fixture.

4200-TRX-0.3: 0.3 m (1 ft)
(recommended for remote location of the 4200-PA)

4200-TRX-1: 1 m (3.2 ft)

4200-TRX-2: 2 m (6.5 ft) (two included with each 4200-PA)

4200-TRX-3: 3 m (9.8 ft)

For use with: 4200-PA



3720-MTC-3: 78-pin D-sub female to 78-pin D-sub male cable. 3 m (10 ft) length.

For use with: 3720, 3723, 3724



4200-RPC-2: Remote PreAmp cable terminated at each end with a high density DB15 connector. This cable connects a 4200-SMU or 4210-SMU source measurement unit installed in a 4200A-SCS to a remotely mounted 4200-PA PreAmp. 2 m (6.5 ft) (one included with each 4200-PA).

For use with: 4200-PA



4801 Input Cable: Low noise coax cable, 1.2 m (48 in) in length, with male BNC connectors on each end.

For use with: 6482, 6485



3722-MTC-3: 104-pin D-sub male to 104-pin D-sub female cable. 3 m (10 ft) length.

For use with: 3722



4803 Low Noise Cable Kit: Includes 15 m (50 ft) of low noise coax cable, 10 male BNC connectors, and 5 female BNC chassis-mount connectors.

For use with: 6482, 6485



7078-TRX-* 3-slot Triax Cables: Low noise triax cables terminated at both ends in 3-slot male triax connectors.

7078-TRX-1	0.3 m (1 ft)
7078-TRX-3	0.9 m (3 ft)
7078-TRX-5	1.5 m (5 ft)
7078-TRX-10	3.0 m (10 ft)
7078-TRX-12	3.5 m (12 ft)
7078-TRX-20	6.0 m (20 ft)

For use with: 2635B, 2636B, 6220, 6221, 6482, 6487, 6514, 6517A, 6517B, 7072, 7174A

7705-MTC-2: 2 m (6.6 ft) 50-conductor male to female D-sub cable assembly.

For use with: 7703, 7705, 7707, 7709, 7701



CA-19-2: 1.5 m (5 ft) RG58 cable terminated with a BNC male plug on each end.

For use with: 4200A-SCS



CA-126-1A Digital I/O Cable: 1.5 m (5 ft) of cable, from DB25 male to DB25 female.

For use with: Series 2600B, Series 3700A



6517B-ILC-3 Interlock Cable: Designed to connect the interlock of the 6517B with the 8009 test fixture. Configuring the 6517B with the 8009 test fixture results in all the electrode constants already being programmed into the unit.

For use with: 6517B Electrometer, 8009



CA-18-1: 1.2 m (4 ft) shielded cable terminated with a dual banana plug on each end. For use with binding post inputs or dual banana jacks.

For use with: Binding post inputs



7051-10: General purpose BNC to BNC cable (G-58C). 3 m (10 ft).

For use with: 2015, 2016, 3390, 7711, some instrument external trigger I/O lines



CA-404B: 2 m (6.5 ft) RG188 coax cable terminated with an SMA male plug on each end, 50 Ω impedance.

For use with: 4200A-SCS, System 46, System 46T



CA-405B: 15 cm (6 in) RG188 coax cable terminated with an SMA male plug on each end, 50 Ω impedance.

For use with: 4200A-SCS



CA-406B: 33 cm (13 in) RG188 coax cable terminated with an SMA male plug on each end, 50 Ω impedance.

For use with: 4200A-SCS



CA-451A: 10.8 cm (4.25 in) RG188 coax cable terminated with an SMA male plug on each end, 50 Ω impedance.

For use with: 4200A-SCS



CA-558-2: 25-pin D-sub to 3-pin interlock cable assembly.

For use with: Series 2600B, 2600-PCT-x, 2651A, 2657A, 4200A-SCS, 4200-PCT-x, 8010



CA-446A: 3 m (9.8 ft) coax cable terminated with an SMA male plug on each end, 100 Ω impedance.

For use with: 4210-CVU



CA-452A: 20.4 cm (8 in) RG188 coax cable terminated with an SMA male plug on each end, 50 Ω impedance.

For use with: 4200A-SCS



CA-559-0A and CA-559-2A: Banana to banana jumper (102 mm).

For use with: 2600-PCT-x, 4200-PCT-x, 8010



CA-560-0A and CA-560-2A: Banana to banana jumper (203 mm).

For use with: 2600-PCT-x, 4200-PCT-x, 8010



CA-447A: 1.5 m (4.9 ft) coax cable terminated with an SMA male plug on each end, 100 Ω impedance.

For use with: 4210-CVU

CA-557-*: 8-pin male to 8-pin male cable assembly with straight through pin configuration.

CA-557-1: 1 m (3.3 ft)

CA-557-2: 2 m (6.6 ft)

CA-557-3: 3 m (10 ft)

For use with: 2601B, 2602B, 2611B, 2612B, 2651A SourceMeter® SMU Instruments, 2600-PCT-x, 4200-PCT-x, 8010

CA-561-0A and CA-561-2A: Banana to banana jumper (305 mm).

For use with: 2600-PCT-x, 4200-PCT-x, 8010



CA-562-0B and CA-562-2B: Safety banana to banana jumper (254mm).

For use with: 2600-PCT-x, 4200-PCT-x, 8010



HV-CA-554-x: High voltage triax to triax cable (3 kV rated) ($x = 1, 2, \text{ or } 3 \text{ m}$).

For use with: 2657A, 2657-LIM-3, 2657-PIM-200, 8010



SC-9: Low noise coax cable without connectors (sold by the foot).



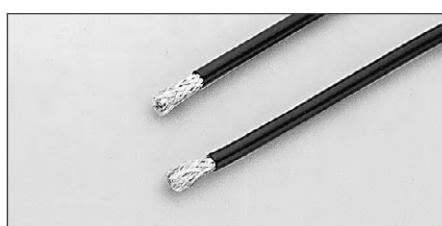
CA-563C: BNC to banana jumper (240 mm).

For use with: 2600-PCT-x, 4200-PCT-x, 8010



HV-CA-571-3: High voltage triax to unterminated cable.

For use with: 2657A, 2600-PCT-x, 4200-PCT-x



SC-22: Low noise triax cable without connectors (sold by the inch).

For use with: CS-631



CA-568-xA: Protective earth safety ground cable with eye lugs ($x = 12, 18, \text{ or } 120 \text{ inches}$).

For use with: 2657A, 2657-LIM-3, 2657-PIM-200, 8010



SHV-CA-553-x: High voltage triax to SHV cable ($x = 1 \text{ or } 3 \text{ m}$) (3 kV rated).

For use with: 2657A



SC-182: Low inductance (42 nH/ft) coaxial cable for minimizing test lead impedance in circuits using fast transient response power supplies. The cable is sold by the foot and comes without connectors.

For use with: 2302, 2303, 2303-PJ, 2304A, 2306, 2306-PJ, 2306-VS

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