

Flexible Cable Specification

Profile	Type	Standards	Nominal Cross Section (mm ²)	Overall Dimension (mm)
Harmonization Cords (IEC / European Cords)				
<i>Flat tinsel cord 300/300V</i>				
	H03VH-Y	EN 50525		2.7 × 5.4
<i>Light polyvinyl chloride sheathed cord 300/300V</i>				
	H03VVH2-F	EN 50525	2 × 0.5	5.1 × 3.15
		IEC 60227	2 × 0.75	5.5 × 3.4
	H03VV-F	GB/T 5023	2 × 0.5	Ø 5.0
			2 × 0.75	Ø 5.5
	H03VV-F		3 G 0.5	Ø 5.3
			3 G 0.75	Ø 5.8
	H03VV-F		4 G 0.5	Ø 5.8
			4 G 0.75	Ø 6.4
<i>Heat-resistant Light PVC-sheathed cord for a max. conductor temperature of 90°C cord300/300V</i>				
	H03V2V2H2-F	EN 50525	2 × 0.5	5.1 × 3.15
		IEC 60227	2 × 0.75	5.5 × 3.4
	H03V2V2-F	GB/T 5023	2 × 0.5	Ø 5.0
			2 × 0.75	Ø 5.5
	H03V2V2-F		3 G 0.5	Ø 5.3
			3 G 0.75	Ø 5.8
<i>Ordinary polyvinyl chloride sheathed cord 300/500V</i>				
	H05VVH2-F	EN 50525	2 × 0.75	6.3 × 3.95
		IEC 60227	2 × 1.0	6.7 × 4.15
	H05VV-F	GB/T 5023	2 × 0.75	Ø 6.3
			2 × 1.0	Ø 6.65
			2 × 1.5	Ø 7.5
	H05VV-F		3 G 0.75	Ø 6.6
			3 G 1.0	Ø 7.0
			3 G 1.5	Ø 8.1
	H05VV-F		4 G 0.75	Ø 7.3
			4 G 1.0	Ø 8.1
			4 G 1.5	Ø 9.4
<i>Heat-resistant ordinary PVC-sheathed cord for a max. conductor temperature of 90°C cord 300/500V</i>				
	H05V2V2H2-F	EN 50525	2 × 0.75	6.3 × 3.95
		IEC 60227	2 × 1.0	6.7 × 4.15
	H05V2V2-F	GB/T 5023	2 × 0.75	Ø 6.3
			2 × 1.0	Ø 6.65
			2 × 1.5	Ø 7.5
	H05V2V2-F		3 G 0.75	Ø 6.6
			3 G 1.0	Ø 7.0
			3 G 1.5	Ø 8.1
<i>Textile braided cord 300/300V</i>				
	H03RT-H	EN 50525	2 × 0.75	Ø 6.3
		IEC 60245	2 × 1.0	Ø 6.8
		GB/T 5013	2 × 1.5	Ø 7.2
	H03RT-H		3 G 0.75	Ø 6.7
			3 G 1.0	Ø 7.2
			3 G 1.5	Ø 7.7

Profile	Type	Standards	Nominal Cross Section (mm ²)	Overall Dimension (mm)		
Harmonization Cords (IEC / European Cords)						
Light halogen-free, low emission of smoke thermoplastic sheathed cord 300/300V						
	H03Z1Z1H2-F	EN 50525	2 × 0.5	5.1 × 3.15		
			2 × 0.75	5.5 × 3.4		
	H03Z1Z1-F		2 × 0.5	Ø 5.0		
			2 × 0.75	Ø 5.5		
	H03Z1Z1-F		3 × 0.5	Ø 5.3		
			3 × 0.75	Ø 5.8		
Ordinary halogen-free, low emission of smoke thermoplastic sheathed cord 300/500V						
	H05Z1Z1H2-F		EN 50525	2 × 0.75	6.3 × 3.95	
				2 × 1.0	6.7 × 4.15	
	H05Z1Z1-F			2 × 0.75	Ø 6.3	
				2 × 1.0	Ø 6.65	
	H05Z1Z1-F			3 G 0.75	Ø 6.6	
				3 G 1.0	Ø 7.0	
				3 G 1.5	Ø 8.1	
Ordinary tough rubber sheathed cord 300/500V						
	H05RR-F	EN 50525		2X 0.75	Ø 6.3	
		IEC 60245		2X 1.0	Ø 6.65	
		GB/T 5013		2X 1.5	Ø 7.5	
	H05RR-F			3G 0.75	Ø 6.6	
				3G 1.0	Ø 7.0	
				3G 1.5	Ø 8.1	
	H05RR-F			4G 0.75	Ø 7.3	
			4G 1.0	Ø 8.1		
			4G 1.5	Ø 9.4		
Ordinary polychloroprene or other equivalent synthetic elastomer sheathed cord 300/500V						
	H05RN-F	EN 50525	2 × 0.75	Ø 6.3		
		IEC 60245	2 × 1.0	Ø 6.65		
	H05RN-F		3 G 0.75	Ø 6.6		
			3 G 1.0	Ø 7.0		
Ordinary heat resistance ordinary tough rubber sheathed cord for a max. conductor temperature of 90 °C 300/500V						
	H05BB-F	EN 50525	2X 0.75	Ø 6.3		
			2X 1.0	Ø 6.65		
			2X 1.5	Ø 7.5		
	H05BB-F		3X 0.75	Ø 6.6		
			3X 1.0	Ø 7.0		
			3X 1.5	Ø 8.1		
	H05BB-F		4X 0.75	Ø 7.3		
			4X 1.0	Ø 8.1		
			4X 1.5	Ø 9.4		
Light polychloroprene or other equivalent synthetic elastomer sheathed cord 300/300V						
	O3RNH2-F		EN 50525	2 × 0.5	5.1 × 3.15	
				2 × 0.75	5.5 × 3.4	
Light tough rubber sheathed cord 300/300V						
	O3RR-H		EN 50525	2X0.5	5.1 × 3.15	
Brazil CSP Paralle Flexible Cord 105°C 300V						
	CSP	NBR 14633	2 × 0.5	5.1 × 3.15		
			2 × 0.75	5.5 × 3.4		

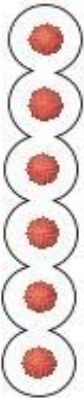
Profile	Type	Standards	Nominal Cross Section (mm ²)	Overall Dimension (mm)
Australian Cords				
PVC Insulation (V-75 or V-90)) , Textile Braided				
	VT-75	AS3191	2 × 0.75	Ø 5.8
			2 × 1.0	Ø 6.0
	VT-90		2 × 0.75	Ø 5.8
			2 × 1.0	Ø 6.0
	VT-75	AS3191	3 × 0.75	Ø 6.2
			3 × 1.0	Ø 6.4
	VT-90		3 × 0.75	Ø 6.2
			3 × 1.0	Ø 6.4
V-90 PVC Insulation, 5V-90 PVC Sheath				
	Light Duty	AS3191	3 × 0.75	Ø 5.8
	Ordinary Duty	AS3191	3 × 0.75	Ø 6.6
			3 × 1.0	Ø 7.0
			3 × 1.5	Ø 8.1
V-75 PVC Insulation, 4V-75 PVC Sheath				
	Heavy Duty	AS3191	3 × 0.75	Ø 8.6
			3 × 1.0	Ø 9.1
			3 × 1.5	Ø 10.1
Japanese / Taiwanese Cords				
Flat Non-Sheath Cord				
	VFF / HVFF / EM-EFF	JIS C3306	2 × 0.75	2.7 × 5.4
		JCS 4501	2 × 1.00*	2.9 × 5.8
		CNS C2053	2 × 1.25	3.1 × 6.2
			2 × 2.00	3.4 × 6.8
Cabtyre Oval Cord				
	VCTFK / HVCTFK / EM-ECTFK	JIS C3306	2 × 0.75	4.3 × 6.6
		JCS 4501	2 × 1.0*	4.6 × 7.1
		CNS C2053	2 × 1.25	4.6 × 7.3
			2 × 2.0	5.0 × 8.0
Cabtyre Round Cord				
	VCTF / HVCTF / EM-ECTF	JIS C3306	2 × 0.75	Ø 6.6
		JCS 4501	2 × 1.0*	Ø 7.1
		CNS C2053	2 × 1.25	Ø 7.3
			2 × 2.0	Ø 8.0
		JIS C3306	3 × 0.75	Ø 7.0
		JCS 4501	3 × 1.0*	Ø 7.4
		CNS C2053	3 × 1.25	Ø 7.7
			3 × 2.0	Ø 8.4
Chlorosulfonated polyethylene rubber-insulated flat cord				
	HHFF	JIS C3301	2 × 0.75	3.1 × 6.3
			2 × 1.25	3.5 × 7.1
			2 × 2.0	3.9 × 7.7
Chloroprene rubber-insulated flat cord				
	NNFF	JIS C3301	2 × 0.75	3.1 × 6.3
			2 × 1.25	3.5 × 7.1
			2 × 2.0	3.9 × 7.7

* For Taiwanese cords only

Profile	Cord Type	Temperature Rating(°C)	Approval			AWG	Overall Dimension (mm)
			UL	CUL	CSA		
American Flexible Cords							
Thermoplastic Cords							
	TPT	60				27AWG/2C	2.7 X 5.4
	TST	60				27AWG/2C	Ø 5.7
	PXT	60				20AWG/2C	2.5 X 5.0
	TX	60				20AWG/2C	2.5 X 5.0
	CXTW	105				22AWG 20AWG 18AWG	Ø 2.4 Ø 2.6 Ø 2.9
	CXTW	105				22AWG/2C 20AWG/2C 18AWG/2C	2.2 X 4.6 2.5 X 5.0 2.7 X 5.4
	XTW	105				22AWG/2C 20AWG/2C 18AWG/2C	2.2 X 4.6 2.5 X 5.0 2.7 X 5.4
Parallel Cords Thermoplastic							
	SPT-1	60, 105				20AWG/2C 18AWG/2C	2.5 X 5.0 2.7 X 5.4
	SPT-2, SPT-2-R	60, 105				18AWG/2C 16AWG/2C	3.5 X 6.9 3.7 X 7.5
	SPT-3	60, 105				18AWG/2C 16AWG/2C 14AWG/2C	4.2 X 8.4 4.4 X 8.9 5.9 X 10.8
	SPT-1W	105				20AWG/2C 18AWG/2C	2.5 X 5.0 2.7 X 5.4
	SPT-2W	105				18AWG/2C 16AWG/2C	3.5 X 6.9 3.7 X 7.5
	SPT-2(Coiled)	60, 105				18AWG/2C 16AWG/2C	3.7X7.3 3.8X7.6
	SPT-1	60, 105				20AWG/3C 18AWG/3C	2.5 X 6.5 2.7 X 8.0
	SPT-2, SPT-2-R	60, 105				18AWG/3C 16AWG/3C	3.45 X 10.1 3.7 X 11.4
	SPT-1	60, 105				20AWG/3C W/G 18AWG/3C W/G	2.5 X 5.6 2.7 X 6.8
	SPT-2	60, 105				18AWG/3C W/G 16AWG/3C W/G	3.4 X 8.6 3.7 X 9.4
	SPT-3	60, 105				18AWG/3C W/G 16AWG/3C W/G	4.2 X 9.6 4.5 X 10.5
	AWM20856(Flat)	60, 105				15AWG/2C	4.0 X 8.0
	AWM20856(Round)	60, 105				15AWG/2C	Ø 8.1
Heater Cords							
	HPN, HPN-R	90, 105				18AWG/2C 17AWG/2C 16AWG/2C	3.5 X 6.9 3.7 X 7.4 3.9 X 7.6
	HPN	90, 105				18AWG/3C W/G 16AWG/3C W/G	3.8 X 9.1 4.5 X 10.5
Non-Integral Parallel Cords, Thermoplastic							
	NISPT-1	60, 105				20AWG/2C 18AWG/2C	2.8 X 5.1 3.0 X 5.6
	NISPT-2	60, 105				18AWG/2C	3.7 X 7.2
	NISPT-2-R					16AWG/2C	4.1 X 7.9
	NISPT-1	60, 105				20AWG/3C 18AWG/3C	2.8 X 5.7 3.8 X 8.0
	NISPT-2	60, 105				18AWG/3C 16AWG/3C	3.7 X 10.8 4.1 X 11.4

Profile	Cord Type	Temperature Rating(°C)	Approval			AWG	Overall Dimension (mm)
			UL	CUL	CSA		
Jacketed Cords, Thermoplastic							
	SVT	60, 105				18AWG/2C	Ø 6.0
						17AWG/2C	Ø 6.3
						16AWG/2C	Ø 6.6
	SVT	60, 105				18AWG/3C	Ø 6.35
						17AWG/3C	Ø 6.6
						16AWG/3C	Ø 6.8
	SJT/SJTW SJT-R	60, 105				18AWG/2C	Ø 7.6
						16AWG/2C	Ø 8.0
						14AWG/2C	Ø 8.7
	SJT/SJTW SJT-R	60, 105				18AWG/3C	Ø 8.0
						16AWG/3C	Ø 8.6
						15AWG/3C	Ø 8.8
						14AWG/3C	Ø 9.4
						13AWG/3C	Ø 10.2
						12AWG/3C	Ø 11.0
	ST/STW	60, 105					
					18AWG/2C	Ø 9.0	
	STW	60, 105					
					16AWG/2C	Ø 9.5	
						18AWG/3C	Ø 9.5
						16AWG/3C	Ø 10.0
Halogen Free Parallel Cords							
	SPE-1	105					
					20AWG/2C	2.5X5.0	
	SPE-2	105					
					18AWG/2C	3.5X6.9	
	SPE-1	105					
					16AWG/2C	3.7X7.5	
	SPE-2	105					
					20AWG/3C	2.5X6.5	
	SPE-1	105					
					18AWG/3C	2.7X8.0	
	SPE-2	105					
					18AWG/3C w/G	3.45X10.1	
						16AWG/2C	3.7X11.4
						20AWG/2C w/G	2.5X5.6
						18AWG/3C w/G	2.7X6.8
						18AWG/3C w/G	3.4X8.6
						16AWG/3C w/G	3.7X9.4
Halogen Free Non-Integral Parallel Cords							
	NISPE-1	105					
				20AWG/2C	2.8X5.1		
	NISPE-2	105					
				18AWG/2C	3.0X5.6		
	NISPE-1	105					
				16AWG/2C	3.7X7.2		
	NISPE-2	105					
				18AWG/2C	4.1X7.9		
						20AWG/3C	2.8X5.7
						18AWG/3C	3.8X8.0
						18AWG/3C	3.7X10.8
						16AWG/3C	4.1X11.4
Halogen Free Jacketed Cords							
	SVE	105					
					18AWG/2C	Ø 6.0	
					17AWG/2C	Ø 6.3	
	SVE	105					
					16AWG/2C	Ø 6.6	
					18AWG/3C	Ø 6.35	
	SJE	105					
					17AWG/3C	Ø 6.6	
					16AWG/3C	Ø 6.8	
	SJE	105					
					14AWG/2C	Ø 8.7	
					18AWG/2C	Ø 7.6	
						16AWG/2C	Ø 8.0
						16AWG/3C	Ø 8.6
						15AWG/3C	Ø 8.8
						14AWG/3C	Ø 9.4

Profile	Cord Type	Temperature Rating(°C)	Approval			AWG	Overall Dimension (mm)
			UL	CUL	CSA		
Appliance Wiring Material (AWM)							
Hook-UP Wire							
	UL1007	80			30AWG	Ø 1.10	
					28AWG	Ø 1.20	
					26AWG	Ø 1.30	
					24AWG	Ø 1.40	
					22AWG	Ø 1.60	
					20AWG	Ø 1.80	
					18AWG	Ø 2.00	
					16AWG	Ø 2.30	
	UL1013	80, 90			28AWG	Ø 2.00	
					26AWG	Ø 2.10	
					24AWG	Ø 2.20	
					22AWG	Ø 2.40	
					20AWG	Ø 2.55	
					18AWG	Ø 2.80	
					16AWG	Ø 3.10	
					14AWG	Ø 3.50	
					12AWG	Ø 4.00	
					10AWG	Ø 4.60	
	UL1015	80, 90, 105			28AWG	Ø 2.00	
					26AWG	Ø 2.10	
					24AWG	Ø 2.20	
					22AWG	Ø 2.40	
					20AWG	Ø 2.55	
					18AWG	Ø 2.80	
					17AWG	Ø 2.90	
					16AWG	Ø 3.10	
					14AWG	Ø 3.50	
					12AWG	Ø 4.00	
					10AWG	Ø 4.60	
	UL1017	80			20AWG	Ø 3.35	
					18AWG	Ø 3.60	
					16AWG	Ø 3.90	
					14AWG	Ø 4.30	
					12AWG	Ø 4.80	
					10AWG	Ø 5.40	
Computer Cable							
	UL2464	80			28AWG/3C	Ø 4.00	
					28AWG/4C	Ø 5.00	
					28AWG/5C	Ø 5.00	
					28AWG/6C	Ø 5.00	
					28AWG/8C	Ø 5.00	
					28AWG/12C	Ø 6.00	
					28AWG/18C	Ø 7.40	
					26AWG/3C	Ø 4.50	
					26AWG/4C	Ø 4.50	
					26AWG/5C	Ø 4.50	
					26AWG/6C	Ø 4.50	
					26AWG/7C	Ø 5.00	
					26AWG/8C	Ø 5.00	
					26AWG/25C	Ø 8.60	
					26AWG/27C	Ø 9.00	
					24AWG/5C	Ø 5.90	
					24AWG/10C	Ø 6.80	
					24AWG/15C	Ø 8.00	
					24AWG/20C	Ø 8.50	
					24AWG/24C	Ø 9.50	
					22AWG/2C	Ø 4.20	

Profile	Cord Type	Temperature Rating(°C)	Approval UL CUL CSA	AWG	Overall Dimension (mm)
<i>Flat Ribbon-Type Cable</i>					
	UL2468	80	 	28AWG/2C	1.24X2.58
				28AWG/3C	1.24X3.92
				28AWG/4C	1.24X5.26
				28AWG/5C	1.24X6.60
				28AWG/6C	1.24X7.94
				28AWG/7C	1.24X9.28
				26AWG/2C	1.34X2.78
				26AWG/3C	1.34X4.22
				26AWG/4C	1.34X5.66
				26AWG/5C	1.34X7.10
				26AWG/6C	1.34X8.54
				26AWG/7C	1.34X10.0
				24AWG/2C	1.45X3.04
				24AWG/3C	1.45X4.63
				24AWG/4C	1.45X6.22
				24AWG/5C	1.45X7.81
				24AWG/6C	1.45X9.40
				24AWG/7C	1.45X11.0
				22AWG/2C	1.62X3.34
				22AWG/3C	1.62X5.06
				22AWG/4C	1.62X6.78
				22AWG/5C	1.62X8.50
				22AWG/6C	1.62X10.22
				22AWG/7C	1.62X11.94
				20AWG/2C	1.80X3.70
				18AWG/2C	2.04X4.23
	UL2450	105	 	18AWG/2C	Ø 5.80
				18AWG/3C	Ø 6.30
				18AWG/4C	Ø 6.80