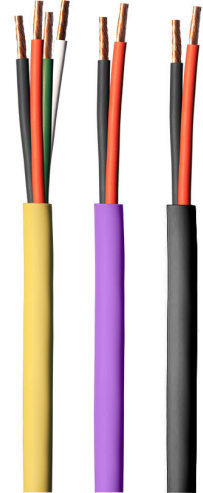


Connectivity.Assured






## ONE Integrator Series Speaker Cable

Kordz Speaker Cables have been designed, engineered and manufactured to the suit the discerning AV Integrator/Installer. Made to provide any system with a cost effective, high quality and performance speaker cable solution. The new smaller and more compact Rapid-EZ-Reel packaging allows the easy flow of cable from the box, whilst keeping the cable from twisting and curling, greatly minimizing snags during installation therefore saving precious time.



- Engineered and constructed to ensure installation success and ease,
- 99.99% Oxygen Free Copper (OFC),
- Low smoke zero halogen (LSZH) construction,
- Easy glide yellow, purple & black outer jacket,
- Sturdy easy pull reel box,
- Metre marked,
- Easy strip internal nylon rip cord,
- Available in 2 or 4 core conductors,
- Available in 12, 14 and 16 AWG wire gauge,
- Industry standard colour coding (red, black, green, white)
- CPR Declared Performance: Eca (EN 50575:2014+A1:2016)



Speaker Cable Options			Rating	Jacket Colour		
Model	Configuration	Spool Length	LSZH	Purple	Yellow	Black
ONE-SP122	12AWG (65 strands), 2 core OFC, 7.5±0.2mm OD 	152.5m/500ft	✓	✓	✓	✓
ONE-SP142	14AWG (82 strands), 2 core OFC, 7.5±0.2mm OD 	152.5m/500ft	✓	✓	✓	✓
ONE-SP144	14AWG (82 strands), 4 core OFC, 8.8±0.2mm OD 	152.5m/500ft	✓	✓	✓	✓
ONE-SP162	16AWG (65 strands), 2 core OFC, 6.0±0.2mm OD 	305m/1000ft	✓	✓	✓	✓
ONE-SP164	16AWG (65 strands), 4 core OFC, 7.0±0.2mm OD 	152.5m/500ft	✓	✓	✓	✓

Specifications		ONE-SP122	ONE-SP142	ONE-SP144	ONE-SP162	ONE-SP164
Conductors	AWG (Gauge)	12	14	14	16	16
	# of Cores	2	2	4	2	4
	# of Strands	65	82	82	65	65
	Area(mm <sup>2</sup> )	3.310	2.083	2.083	1.309	1.309
	Strand Diameter (mm)	0.254 +/-0.008	0.18 +/-0.008	0.18 +/-0.008	0.16 +/-0.008	0.16 +/-0.008
	Material	Oxygen Free Copper (OFC)				
Insulation	Material Rating	Low Smoke Zero Halogens (LSZH)				
	Outer Diameter (mm)	3.00 +/-0.15	3.00 +/-0.15	3.00 +/-0.15	2.30 +/-0.10	2.30 +/-0.10
	Average Thickness (mm)	0.30	0.50	0.50	0.40	0.40
Filler	Material	Nylon				
Jacket	Material Rating	Low Smoke Zero Halogens (LSZH)				
	Outer Diameter (mm)	7.50 +/-0.20	7.50 +/-0.20	8.80 +/-0.20	6.00 +/-0.20	7.00 +/-0.20
	Average Thickness (mm)	0.65	0.65	0.65	0.60	0.60
Insulation Resistance (10m at 20°C)	Minimum 100MΩ (Mega Ohms)					
Conductor Resistance (Ohms/km at 20°C)	Max. 5.64Ω/km	Max. 8.62Ω/km	Max. 8.62Ω/km	Max. 13.7Ω/km	Max. 13.7Ω/km	
Dielectric Strength	500V AC/1min					
Environment Compliance	RoHS, REACH & HF					

Applications	Internal Conductor Colours		
	Model	Pair A	Pair B
Residential & Commercial	2 core	Black, Red	—
Home Theatre			
Corporate & Boardroom	4 core	Black, Red	Green, White
Education			
Audio Distribution			

- All models in plastic reel box 330H x 265W x 335D (mm).
- 12 cartons per pallet layer, maximum 3 layers per pallet.



# ONE Integrator Series Speaker Cable

## Speaker Cable Performance

Calculation Parameters					Annealed Copper Temperature Coefficient
Cable Gauge	Resistivity (Ω)	Temperature (°C)	Length (m)	Ω/m@20°C	
16AWG	13.70	20.0	1000	0.0137	0.00393 K <sup>-1</sup>
14AWG	8.62	20.0	1000	0.0086	
12AWG	5.64	20.0	1000	0.0056	

### Power Loss by Cable Length

Cable Gauge	4Ω Speaker				8Ω Speaker				16Ω Speaker			
	10m (33ft)	20m (66ft)	40m (132ft)	80m (263ft)	10m (33ft)	20m (66ft)	40m (132ft)	80m (263ft)	10m (33ft)	20m (66ft)	40m (132ft)	80m (263ft)
16AWG	6%	12%	22%	35%	3%	6%	12%	22%	2%	3%	6%	12%
14AWG	4%	8%	15%	26%	2%	4%	8%	15%	1%	2%	4%	8%
12AWG	3%	5%	10%	18%	1%	3%	5%	10%	1%	1%	3%	5%

### Maximum Cable Length by Allowed Power Loss (dB)

Cable Gauge	4Ω Speaker				8Ω Speaker				16Ω Speaker			
	-0.5dB (11%)	-1.0dB (21%)	-2.0dB (37%)	-3.0dB (50%)	-0.5dB (11%)	-1.0dB (21%)	-2.0dB (37%)	-3.0dB (50%)	-0.5dB (11%)	-1.0dB (21%)	-2.0dB (37%)	-3.0dB (50%)
16AWG	18m	38m	85m	145m	36m	76m	171m	291m	71m	151m	342m	581m
	59ft	124ft	280ft	476ft	118ft	249ft	561ft	955ft	233ft	496ft	1122ft	1906ft
14AWG	28m	60m	136m	231m	57m	120m	271m	462m	113m	240m	543m	924m
	92ft	197ft	446ft	758ft	187ft	394ft	890ft	1516ft	371ft	788ft	1781ft	3031ft
12AWG	43m	92m	207m	353m	87m	184m	415m	706m	173m	367m	830m	1412m
	141ft	302ft	680ft	1158ft	285ft	604ft	1362ft	2316ft	567ft	1204ft	2723ft	4633ft

Length figures are based on copper resistivity at 20°C (68°F) shown here. Resistivity and cable power loss both increase with temperature. For example, to cap power loss at 11% to an 8Ω speaker, 16AWG cable should be limited to 36m (118ft) at 20°C (68°F) or 30m (100ft) at 75°C (167°F).

### Maximum Cable Length by Allowed Power Loss (%)

Cable Gauge	4Ω Speaker				8Ω Speaker				16Ω Speaker			
	2.5% (-0.1dB)	5.0% (-0.2dB)	7.5% (-0.3dB)	10.0% (-0.5dB)	2.5% (-0.1dB)	5.0% (-0.2dB)	7.5% (-0.3dB)	10.0% (-0.5dB)	2.5% (-0.1dB)	5.0% (-0.2dB)	7.5% (-0.3dB)	10.0% (-0.5dB)
16AWG	3.7m	7.7m	11.8m	16.2m	7.5m	15.4m	23.7m	32.4m	15m	30.7m	47.3m	64.9m
	12ft	25ft	39ft	53ft	25ft	51ft	78ft	106ft	49ft	101ft	155ft	213ft
14AWG	5.9m	12.2m	18.8m	25.8m	11.9m	24.4m	37.6m	51.6m	23.8m	48.8m	75.2m	103.1m
	19ft	40ft	62ft	85ft	39ft	80ft	123ft	169ft	78ft	160ft	247ft	338ft
12AWG	9.1m	18.7m	28.8m	39.4m	18.2m	37.3m	57.5m	78.8m	36.4m	74.7m	115.0m	157.6m
	30ft	61ft	95ft	129ft	60ft	122ft	189ft	259ft	119ft	245ft	377ft	517ft

### Logistics

Model	Part number	EAN-13 barcode	Gross weight	Carton dimensions	Shipping
ONE-SP122	K12202-152M-YL	9340382007749	16.8 kg	330H x 265W x 335D (mm)	36 mixed cartons per pallet 1.086m <sup>3</sup>
	K12202-152M-PP	9340382007732			
	K12202-152M-BK	9340382007756			
ONE-SP142	K11802-152M-YL	9340382007701	14.1 kg		
	K11802-152M-PP	9340382007695			
	K11802-152M-BK	9340382007763			
ONE-SP144	K11902-152M-YL	9340382007725	22.5 kg		
	K11902-152M-PP	9340382007718			
	K11902-152M-BK	9340382007978			
ONE-SP162	K11402-305M-YL	9340382007640	18.1 kg		
	K11402-305M-PP	9340382007633			
	K11402-305M-BK	9340382008029			
ONE-SP164	K11502-152M-YL	9340382007664	15.1 kg		
	K11502-152M-PP	9340382007657			
	K11502-152M-BK	9340382008036			

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