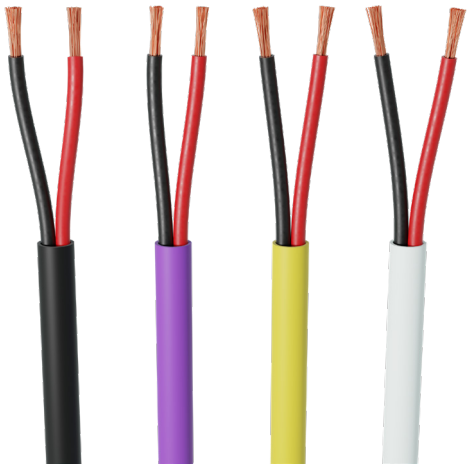
kordz
Connectivity.Assured

Technical Data Sheet

ONE Speaker Cable

Makes installation easier

Kordz ONE Speaker Cable ensures clear and dependable sound transmission. It features high-purity medium stranded 99.99% Oxygen Free Copper (OFC) conductors and is carefully engineered to enhance both conductivity and flexibility. The polished copper conductor surface minimises oxidation and increases longevity. This cable enables a wide range of professional AV installations with 12, 14, and 16 AWG configurations and a choice of 2 or 4 cores. Thoughtfully designed with ease of installation in mind, these cables are optimised for hassle-free installation with easy-glide jackets available in either PVC or LSZH construction. The Reel-in-Box packaging simplifies installation, reducing the risk of snags, twists and curls. Metre-marked for convenience and available in multiple colours, Kordz ONE Speaker Cable is the dependable choice for any high-quality AV system, backed by Kordz' promise of 'Connectivity Assured'.



- High-grade 99.99% Oxygen Free Copper (OFC) conductors for enhanced conductivity
- Polished conductor surface to minimise oxidation
- Medium stranding for balance of power handling and flexibility
- Available in 12, 14 and 16 AWG configurations and a choice of 2 or 4 cores
- Industry-standard internal wire colour coding (red, black, green, white)
- Easy-glide outer jacket available in multiple colours
- Available in LSZH or PVC constructions
- Conveniently packaged in a Reel-in-Box delivery system that's easy to identify in a van or on site
- AS/NZS S008:2010 compliant
- RoHS compliant

OFC 99.99% | 12 AWG | 14 AWG | 16 AWG | LSZH | CPR E_{ca} | c UL us CM | LIFETIME WARRANTY

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^2)	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) or PVC variant dependent				
	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) or PVC variant dependent				
	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				

Part No	Conductor Size	Core	Length	Color	Material	Fire Rating	Cartons Per Pallet	Packaging Style	Packaging Dimensions
K11402-305M-**xx**	16AWG	2	305M	Black [**BK**] Purple [**PP**] Yellow [**YL**]	LSZH	CPR Eca	36	Reel-in-Box	330mm x 265mm x 340mm 13.0in x 10.4in x 13.4in
K11502-152M-**xx**		4	152M						
K11802-152M-**xx**	14AWG	2							
K11902-152M-**xx**		4							
K12202-152M-**xx**	12AWG	2							
K11405-305M-**xx**	16AWG	2	305M	White [**WH**]	PVC	UL 444 CM			
K11505-152M-**xx**		4	152M						
K11805-152M-**xx**	14AWG	2							
K11905-152M-**xx**		4							
K12205-152M-**xx**	12AWG	2							

kordz
Connectivity.Assured

Technical Data Sheet

ONE Speaker Cable

Cable Performance - 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%

Cable Performance - 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 59ft	38m 124ft	85m 280ft	145m 476ft	36m 118ft	76m 249ft	171m 561ft	291m 955ft	71m 233ft	151m 496ft	342m 1122ft	581m 1906ft
14AWG	28m 92ft	60m 197ft	136m 446ft	231m 758ft	57m 187ft	120m 394ft	271m 890ft	462m 1516ft	113m 371ft	240m 788ft	543m 1781ft	924m 3031ft
12AWG	43m 141ft	92m 302ft	207m 680ft	353m 1158ft	87m 285ft	184m 604ft	415m 1362ft	706m 2316ft	173m 567ft	367m 1204ft	830m 2723ft	1412m 4633ft

Cable Performance - 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 12ft	7.7m 25ft	11.8m 39ft	16.2m 53ft	7.5m 25ft	15.4m 51ft	23.7m 78ft	32.4m 106ft	15m 49ft	30.7m 101ft	47.3m 155ft	64.9m 213ft
14AWG	5.9m 19ft	12.2m 40ft	18.8m 62ft	25.8m 85ft	11.9m 39ft	24.4m 80ft	37.6m 123ft	51.6m 169ft	23.8m 78ft	48.8m 160ft	75.2m 247ft	103.1m 338ft
12AWG	9.1m 30ft	18.7m 61ft	28.8m 95ft	39.4m 129ft	18.2m 60ft	37.3m 122ft	57.5m 189ft	78.8m 259ft	36.4m 119ft	74.7m 245ft	115.0m 377ft	157.6m 517ft

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).