

Highlights:

- Flexible PVC jacket
- 26 AWG balanced signal section
- 17 AWG stranded conductors
- Spiral shielding

Product information:

The PAC50 is a high quality signal and power cable in one jacket. This kind of cable is designed to fulfill all demands when using active loudspeakers. The cable consists of a power cable and a balanced signal cable. A general outer jacket with an O.D. of 14 mm and made of flexible PVC protects each inner cable against abrasion. The inner power cable contains 3 conductors with a section of 1.0 mm², protected by a PVC jacket with an O.D of 7 mm. The signal section is balanced and contains two twisted inner conductors of 0.125 mm² with an excellent shielding to prevent any influence of hum, noise, radio interference and magnetic fields. The signal section is also protected by an outer jacket of PVC with an O.D. of 3.5 mm. The PAC50 cable finds its application in mobile systems where power and signal are desired to be in one cable (active speaker systems)



Inner Conductors:



Shielding:



Product Features:

Series

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Physical Characteristics:

Inner conductor	Power	Section		0.0016 ^{“2}
		Insulation	Material	PVC 2.3 mm (Ø)
		Number of conductors		3
	Audio	Section		0.00019 ^{“2}
		Insulation	Material	LDPE 1 mm (Ø)
		Number of conductors		2
	Power	American Wire Gauge		18 AWG
	Audio	American Wire Gauge		26 AWG
Type of cable				Power & 1 x signal cable
Inner conductor	Audio	Insulation	Colours	White / Red
	Power	Material		BC 58 x 0.15 mm (Ø) (OFC)
	Audio	Shielding	Spiral	BC 32 x 0.12 mm (Ø) (OFC)
Inner jacket	Material			Flexible PVC 6.5 mm (Ø)
				Flexible PVC 3.5 mm (Ø)
	Colours			Grey
Filling				Cotton Yarn
Separator				Cotton paper
Outer jacket	Material			Flexible PVC 14 mm (Ø)
	Colours			Black

Mechanical Characteristics:

Temperature range	Fixed installation	- 104 °F till + 176 °F
	Mobile installation	- 77 °F till + 158 °F
Bending radius	Fixed installation	8 x outer diameter
	Mobile installation	10 x outer diameter

Electrical Characteristics:

Lead resistance	Power	1.35 Ω / 100 m
	Audio	13.75 Ω / 100 m
Max. operation voltage	Power	300 V
Max. current	Power	10 Amp
Cable Crosstalk	Audio	Min. 73.3 dB
Nom. Velocity of propagation	Audio	69.59 %
Capacitance	Cond/Cond	54 pF / m @ 1 kHz
	Cond/Shield	98 pF / m @ 1 kHz