

## Highlights:

- Spiral shielding
- Individual jacketed pairs
- 26 AWG balanced signal section
- 3G2.5 (13 AWG) power section

## Product information:

The PAC52 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 16 mm and made of flexible PVC protects each inner cable against abrasion. The inner power cable contains 3 conductors with a section of 2.5 mm<sup>2</sup>, protected by a PVC jacket with an O.D of 9 mm. The signal section is balanced and contains two twisted inner conductors of 0.125 mm<sup>2</sup> 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 3.5mm. The PAC52 cable finds its application in mobile systems where power and signal are desired to be in one cable (active speaker systems) and is specially designed for high power systems.



## Inner Conductors:



## Shielding:



## Product Features:

Series

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Physical Characteristics:

Inner conductor	Power	Insulation	Material	PVC 3.4 mm (Ø)
	Audio	Insulation	Material	LDPE 1.2 mm (Ø)
	Power	Insulation	Colours	Blue / Brown / Yellow & Green
	Audio	Insulation	Colours	White / Red
Inner jacket	Material			Flexible PVC 9 mm (Ø)
				Flexible PVC 4 mm (Ø)
	Colours			Black
				Black
Outer jacket	Material			Flexible PVC 16.5 mm (Ø)
	Colours			Black
Inner conductor	Audio	Shielding	Spiral	TC 32 x 0.12 mm (Ø) (OFC)
Type of cable				Power & 1 x signal cable
Inner conductor	Power	Section		0.0039 “²
	Audio	Material		TC 2 x 7 x 0.15 mm (Ø) (OFC)
		Section		0.00019 “²
	Power	American Wire Gauge		13 AWG
Filling				Cotton Yarn
Inner conductor	Power	Number of conductors		3
	Audio	American Wire Gauge		26 AWG
Separator				Cotton paper
Inner conductor	Audio	Number of conductors		2

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	0.66 Ω / 100 m
	Audio	13.75 Ω / 100 m
Max. operation voltage	Power	300 V
Max. current	Power	20 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