

## Highlights:

- Spiral shielding
- Individual jacketed pairs
- Double 25 AWG balanced signal section
- 3G1.5 (16 AWG) power section

## Product information:

The PAC55 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 1.5 mm<sup>2</sup>, protected by a PVC jacket with an O.D of 8 mm. The signal section is balanced and contains two times 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 4 x 8 mm. The PAC55 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:

Application	null
Series	null

## Physical Characteristics:

Inner conductor	Power	Section		0.0023 <sup>''2</sup>
		Insulation	Material	PVC 3 mm (Ø)
		Number of conductors		3
	Audio	Material		TC 2 x 14 x 0.12 mm (Ø) (OFC)
		Section		0.00025 <sup>''2</sup>
		Insulation	Material	LDPE 1 mm (Ø)
		Number of conductors		2 x 2
	Power	American Wire Gauge		16 AWG
	Audio	American Wire Gauge		25 AWG
	Power	Insulation	Colours	Blue / Brown / Yellow & Green
	Audio	Insulation	Colours	White / Red ; White / Blue
Inner jacket	Material			Flexible PVC 8 mm (Ø)
	Colours			Black
	Material			Flexible PVC 4 mm (Ø)
	Colours			Black
Outer jacket	Material			Flexible PVC 17 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	Material		BC 30 x 0.25 mm (Ø) (OFC)
Filling				Cotton Yarn
Separator				Cotton paper

## 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	1.2 Ω / 100 m
	Audio	10.6 Ω / 100 m
Max. operation voltage	Power	300 V
Max. current	Power	16 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