

Highlights:

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

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

null

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 | | |
| 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 |
| | 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 |