

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 mm², 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 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 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 ^{“2} |
| | | 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 ^{“2} |
| | | 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 |