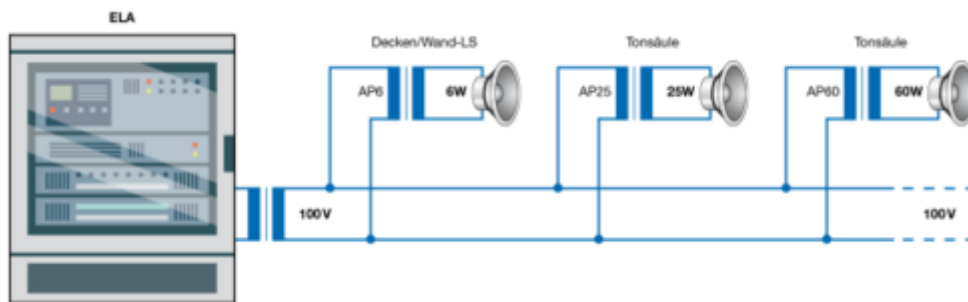


## 4.3 Vorteile von 100V-Lautsprechern

### Der Vorteil der 100V-Technik liegt in der wirtschaftlichen Verkabelung der Anlagen

- Es können nahezu beliebig viele Lautsprecher verschiedenen Typs parallel angeschlossen werden
- Unterschiedliche Lautsprecherleistungen können an einen Verstärker angeschlossen werden
- Bei der Berechnung des Verstärkers brauchen nur die einzelnen Werte der Lautsprecher addiert aus dem Ergebnis ergibt sich die erforderliche Verstärkerleistung.
- Höhere Spannungen bedeuten geringere Ströme und damit geringere Leitungsquerschnitte. Gemäß VDE 0833-4 / 6.2.7.1 mindestens 0,8 mm Leiterdurchmesser.
- Durch Anpassung des Übertragers kann die vor Ort gewünschte Lautstärke erzeugt werden.
- Im Gegensatz zur niederohmigen Technik können Lautsprecher nicht überlastet werden.



### Mathematische Grundlagen

Umrechnung Impedanz ↔ Leistung

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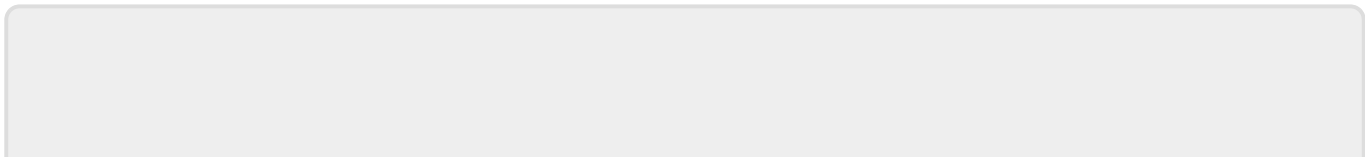
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