## AdapterInterface

- + hasValidLength(\$value)
- + hasValidCharacters (\$value)
- + hasValidChecksum( \$value)
- + getLength()
- + getCharacters()
- + getChecksum()
- + useChecksum(\$check =null)



## AbstractAdapter

## # \$options

- + hasValidLength(\$value)
- + has Valid Characters (\$value)
- + hasValidChecksum( \$value)
- + getLength()
- + getCharacters()
  - + getChecksum()
  - + useChecksum(\$check =null)
- # setChecksum(\$checksum)
- # setLength(\$length)
- # setCharacters(\$characters)
- # gtin(\$value)
- # identcode(\$value)
- # code25(\$value)
- # postnet(\$value)



+ construct()