

Cable Data Sheet

CBL-1-1M2-V5

Coaxial cable RG 174 A/U with male 180° microdot and male 180° BNC connector (max. 80 °C). It is typically used to connect AE sensor with microdot connector to preamplifier.



Technical Specification

Cable Type	RG 174 A/U
Length [m]	1.2
Connector side 1	microdot male 180°
Connector side 2	BNC male 180°
Characteristic Impedance [Ω]	50
DC Loop Resistance [Ω /km]	143
Capacity [pF/m]	100
Operating Temperature [°C]	-40 to 80 °C
Diameter [mm]	2.70
Jacket material	PVC or LSFH or TPR

Supplemental directives

Read the Accessories for Acoustic Emission Systems Specification document (<https://www.vallen.de/quote-ref>). Make sure that you comply with regulations at the installation site. Store these instructions for a later usage.

NOTICE

NOTICE indicates a property damage message.

Damage of cables

Cables may be damaged by excessive bending, repeated unplugging by pulling the cable, stepping on the cable or letting heavy objects rest or fall onto cables.

Risk

Damaged cables may exhibit shortcuts or open electrical connection leaving the affected measurement channel of the acoustic emission measurement system non-functional, i.e. the sensor signal is not or not properly transmitted.

How to avoid using damaged cables

Before conducting an acoustic emission test (AET) make sure that measurement channels can measure artificial sources (see for example ASTM E976 for testing the response of a measurement channel). During an AET use the auto sensor test function for verifying that a measurement channel is still active and working as expected.



Redemption and Disposal Information of used Vallen Equipment.

- Equipment labelled with the symbol shown on the left must be disposed separately from unsorted municipal waste within the European Union.
- Owners of old instruments request our agreement to return old electronic equipment. The goods to be returned must be described unambiguously and identified by serial and/or identification number. You can fill in our contact form (www.vallen.de/contact/) or send us an email to sales@vallen.de.
- Upon our approval owners may ship the goods free of costs to us.
- We will dispose the goods according to the relevant laws and regulations on our costs.
- Goods returned without our approval will not be accepted and returned to the owner on his account.
- We explicitly point out that according to § 19a ElektroG3 you are responsible to delete any personal data on the appliances considered for disposal.

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