

ABEM Resistivity imaging cables

TECHNICAL SPECIFICATION

Resistivity imaging cables are a sensitive component of a resistivity system. They will be used in all types of weather and climates, dragged along the ground and used with high electrical power. Can you afford to use such an important component without having the best possible quality?

LIFETIME WARRANTY

With over 25 years experience of cable manufacturing, the ABEM Resistivity imaging cables are made using components of only the highest quality, e.g. military grade connectors. After being proved in the field for 15 years we are so confident in the quality of the cables that we give a lifetime warranty on production and manufacturing errors of the cables.

TESTED AS A PART OF THE ABEM SYSTEM

A system is no stronger than its weakest link. ABEM Resistivity imaging cables are manufactured to be just as robust as the ABEM Terrameter SAS1000/4000 and the ABEM Terrameter LS. That means that weather, climate or site conditions will never limit when or where measurements can be done.

CUSTOM CABLES AVAILABLE

A number of standard cables are available with different number of electrode take-outs and electrode spacings, but other alternatives can be offered. For marine resistivity measurements cables down to 1000 meters are available. A dual purpose cable, intended for both land and marine measurements, can also be offered. For more information about custom cables please contact the ABEM Sales department (sales@abem.se).

General specifications

- ☐ **No. of electrode take-outs:** 16, 21, 32, Custom
- ☐ **Connectors:** 2x KPT 32 pin, military grade
- ☐ **Connector voltage rating:** 1500 V
- ☐ **Connector current rating:** 7.5 A
- ☐ **Cable diameter:** 7.9 mm
- ☐ **Bend radius:** 8 cm (static), 10 cm (dynamic)
- ☐ **IP classification:** IP 66
- ☐ **Color:** Cable orange, take-outs blue & red
- ☐ **Bi-directional:** No
- ☐ **Cable weight:** 7.4 kg / 100 m (not including reel)



| Part no | Description | Lead in/end | Reel | Total length | Weight including reel(s) | Max depth 4 cables and gradient array |
|------------|--|---------------|----------|--------------|--------------------------|---------------------------------------|
| 33 0019 71 | Imaging cable with 21 take-outs, 0.5 m spacing | 2.5 m / 2.5 m | Plastic | 15 m | 2.5 kg | 7.6 m |
| 33 0019 18 | Imaging cable with 21 take-outs, 2 m spacing | 5 m / 5 m | Plastic | 50 m | 9 kg | 31 m |
| 33 0019 22 | Imaging cable with 21 take-outs, 5 m spacing | 5 m / 5 m | Plastic | 110 m | 13 kg | 77 m |
| 33 0019 34 | Imaging cable with 21 take-outs, 10 m spacing | 5 m / 5 m | Metal | 210 m | 24 kg | 153 m |
| 33 0019 49 | Imaging cable with 21 take-outs, 15 m spacing Cable split into two cables on separate reels | 5 m / 5 m | 2x Metal | 310 m | 38 kg | 220 m |
| 33 0019 23 | Imaging cable with 21 take-outs, 20 m spacing Cable split into two cables on separate reels | 5 m / 5 m | 2x Metal | 410 m | 46 kg | 306 m |

Find all technical specifications, manuals and contact information at www.abem.se