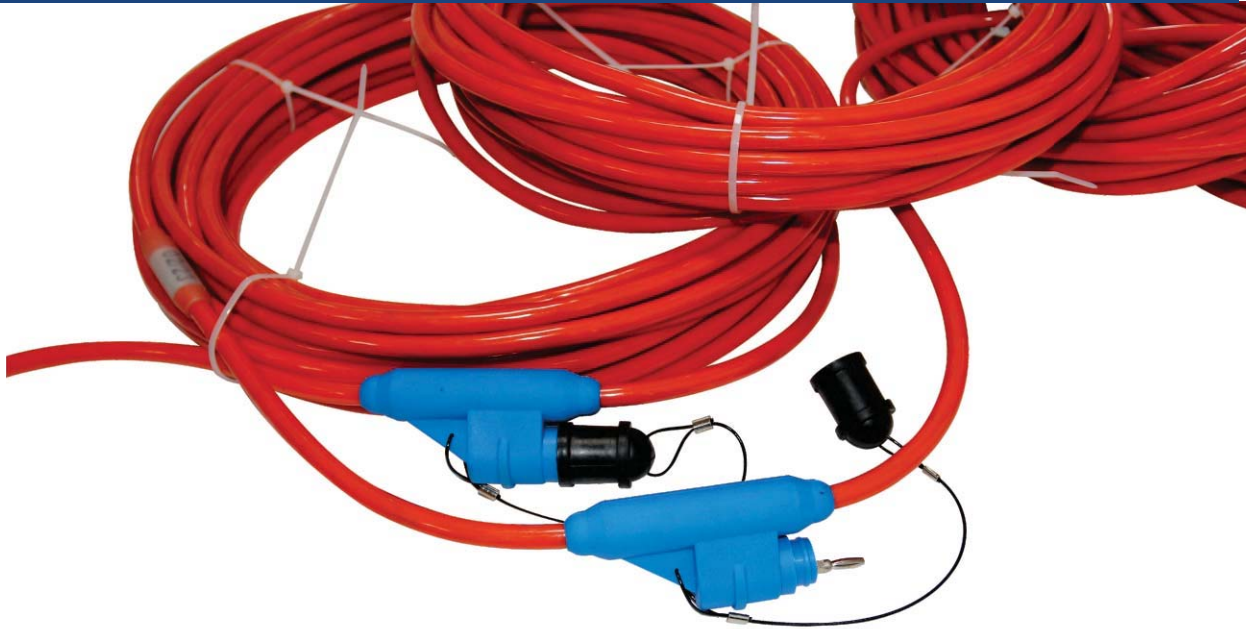


PORTABLE SEISMIC CABLES



I Applications

ST series portable seismic cables are specialized cables for geophysical exploration and seismic operations, mainly used for the transmission of seismic signals in seismic survey operations such as petroleum, coal, hydropower, metallurgy and engineering geophysical exploration.

- ST series portable seismic cable are specially produced for seismic exploration in various field operations, such as complex terrains, large mobility transportation, frequent releasing and collecting, severe climate environments and weak signal conditions.
- Cable take-out adopts molded type, with good contact, firm sealing and good waterproof performance.
- Seismic cable adopts special composite material, with strong wear-resistant, high tensile strength, light weight and good insulating performance.
- Cable production adopts short bar distance pairing, which will highly improve crosstalk defense.
- Custom channels, lead-in cable length, take-out interval and connector type are also available upon request.
- Compatible with various main stream seismographs, such as Geode, Strata Visor, SUMMIT, PASI GEA24 and etc.



Portable Seismic Cables

II Cable Specifications

Cable Type	Conductor Structure	Cable Cores	Cable Outer Diameter(mm)	Net Weight (kgs/km)	Working Temperature	Cable Take-out Type
ST-32	7X0.12	32	7.0	56.0	-40°C ~ +70°C	Split Type / Molded Type
ST-54		54	9.0	90.0	-40°C ~ +70°C	Split Type / Molded Type
ST-104		104	11.5	153.0	-40°C ~ +70°C	Split Type / Molded Type

Item	Data Sheet
Conductor DC Resistance at 20°C(Ω/km)	≤234
Insulating resistance between conductors (MΩ/km)	≥1000
Crosstalk Attenuation 1KHz (dB)	≥100
Working Capacitance (Nf/km)	50
Tensile Strength (kgs)	≥90
Working Temperature (°C)	-40°C ~ + 70°C

III Cable Type

Item	Configurations
Channel Numbers	From 3 Channel to 48 Channel optional.
Cable Outer Diameter	7.0mm /9.0mm /11.5mm optional.
Connector Type	10pin / 27pin / 50pin / 55pin / 61pin or customized connector as per client's requests.
Connector Lead-in Type	Connector lead-in at one end / Connectors lead-in at two ends.
Lead-in Cable Length	Most commonly used type: lead in cable 5m /10m at one end or each end. Custom lead-in cable length available upon request.
Cable Take-out Type	Split spring take-out (split type or molded type optional)/ Mueller clip take-out / KCK take-out / Kooter take-out optional.
Channel / take-out Intervals	Most commonly used type: 3m/5m/10m. Custom Channel / take-out intervals available upon request.
Working Temperature	-40°C ~ +70°C

IV Most Widely Used Cable Configurations

Seismic Refraction Cable

24 Channel Spread Cable Array with 1m Kooter Male Takeouts Interval and lead-in 10m, Single 61 Bendix (PTO6A-24-61S) end connector suitable for use with a Geometrics Geode Seismograph. Single End Connector with the other end sealed and terminated. Cable reel is optional.

Seismic Refraction Cable

3 Sections Split Cable for 24-channel take-out cable: 24C / 20m KCL tko interval. /10m lead-in end cable, to connector to 61 pin connector GEODE seismograph. Three Section Split Cable. Cable reel is optional.

Seismic Refraction Cable

24 Channel Spread Cable Array with 1m Molded Split Plate Takeouts Interval and lead-in 10m, Single 61 Bendix (PTO6A-24-61S) end connector suitable for use with a Geometrics Geode Seismograph. Single End Connector with the other end sealed and terminated. Cable reel is optional.

Seismic Refraction Cable

24 wire wrap takeout's at 3 meter intervals. One end is dead end sealed and the other end is 10 meter leading cable terminated with a 61S connector (Wired for Geode). Cable reel is optional.

Geometrics Geode Seismic System Cable

24 Channel cables with Mueller Connections with 5m take out spacing. Cable reel is optional.

Geometrics Geode Seismic System Cable

24 Channel cables with Mueller Connections with 2m take out spacing. Cable reel is optional.

Standard PASI Seismic Cable 12 channel with total length 65M

For refraction/ surface reflection, 16 twisted pairs with 12 single ordinary split plate takeouts, 5m spacing, terminated at each end with 5m tail and Cannon NK2721C type connector at each end. Total length 65m. Cable reel is optional.

Standard PASI Seismic Cable 12 channel with total length 130M

For refraction / surface reflection, 16 twisted pairs with 12 single ordinary split plate takeouts, 10m spacing, terminated at each end with 10m tail and Cannon NK2721C type connector at each end. Total length 130m. Cable reel is optional.

Standard PASI Seismic Cable Extension Cable

Extension for 12 channel seismic cable for refraction / surface reflection, 16 twisted pairs, terminated at each end with Cannon NK2721C type connector. Standard length available 65m and 130m. Cable reel is optional.

**Custom configurations available upon client's requests.
Specifications subject to change without notice.**

*Portable
Seismic
Cables*



IV

Most Widely Used Cable Configurations

Portable Seismic Cables



Custom configurations available upon client's requests. Specifications subject to change without notice.

Standard PASI Seismic Cable 24 channel with total length 125M

For refraction / surface reflection, 26 twisted pairs, with 24 single ordinary split plate takeouts, 5m spacing, terminated at each end with 5m tail. 2pcs. of Cannon NK2721C type connectors will be equipped at each end of the cable by Y- shaped splitter adaptor. Total length 125m. Cable reel is optional.

Seismic Imaging Cable

12 Channel Spread Cable Array with 5m Standard Split Plate Takeouts Interval and lead-in 5m at one end and terminated with NK2721C Female Connector at Each End. Cable reel is optional.

Geographic Imaging Cable

12 Channel Seismic Cable with 3m Wire wrap Takeouts Interval and Lead-in 3m at each end and terminated with NK27 Female Connectors at Both Ends. Cable reel is optional.

Geophysical Survey Cable

12 Channel of 10m of Geophone's Channel Separation, Wire Wrap Mueller Clip Take-out, Lead-in 10m at each end and terminated with 61 Pin Bendix Female Socket PT-06A-24-61S(SR) Connectors at both ends. Cable reel is optional.

Seismic Cable

12 Muller takeouts with 5m spacing, double ended NK27 sockets with 10m lead cable at each end. Cable reel is optional.

Geography Surveying Cable

6- Channel Seismic Survey Cable with KCK Screw Fit Female Takeouts, interval 1m and lead-in 1m at one end with cable end open. The other end of the seal will be deal seal.

Seis Tech Inc. / An ISO 9001:2015 QMS Certified, ISO 14001;
2015 EMS Certified and ISO 45001:2018 OHSMS Certified Enterprise. /