Marine seismic digital control & lead-in cable

Marine Seismic Gun Control Cable

Marine Seismic Digital Streamer & Airgun Control Cable



Sub-millisecond synchronised marine seismic digital gun-controller & streamer cable

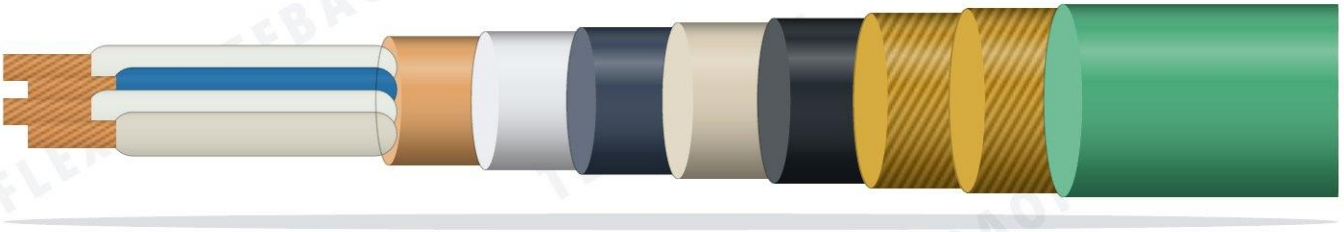
Marine Seismic Gun Control Cable Series | **100/120 Ω Digital** | **Marine Seismic**

Application

Marine Seismic Gun Control Cable marine seismic control and telemetry cable for digital airgun source controllers, RGPS tailbuoy positioning and streamer lead-ins, combining low-skew 100/120 Ω screened data quads, DC power feeders and tow armour.

Typical uses: 3D/4D Towed Streamer Seismic, Digital Airgun Source Control, RGPS Tailbuoy & Deflector Links, Streamer Bird & Acoustic Positioning, High-Resolution Marine Survey

Construction





Cross-section, not to scale

1. Digital telemetry & DC bus conductors
2. Low-permittivity foam-skin PE dielectric
3. Water-blocked inner bedding
4. Separator / barrier tape
5. Inner sheath
6. Mechanical armour
7. Mechanical armour
8. Marine polyether PUR outer jacket

Technical data

Typical values

Telemetry pair impedance	100 ± 6 Ω or 120 ± 6 Ω (100 kHz – 10 MHz)	Mutual capacitance	≤ 42 pF/m (digital pairs)
DC power bus rating	300/500 V (signal) · 600/1000 V (DC feeders)	Near-end cross-talk (NEXT)	≥ 80 dB at 1 MHz (PiMF screened pairs)
AC test voltage	2.0 kV AC (signal) / 3.5 kV AC (power)	Operating seawater temperature	−5 °C to +50 °C
Deck storage & reeling	−30 °C to +75 °C	Max. conductor temperature	+80 °C
Min. breaking load (MBL)	45 kN to 220 kN	Safe working tow load	10 kN to 55 kN
Min. bend radius (dynamic)	10 × OD (polyaramid) · 15 × OD (steel armour)	Propagation delay skew	≤ 15 ns / 100 m within pair group
Longitudinal water block	IEC 60794-1-22F1 water-penetration pass	Abrasion & cut resistance	DIN ISO 4649 ≤ 35 mm^3 polyether PUR
Marine oil & diesel	IEC 60811-404 resistant	Standards	ISO 13628-5 / IEC 60092-376

Sizes

12 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Order designation	Digital Pairs + DC Power + Optical	Nominal OD mm	Copper kg/km	Weight in air kg/km	Weight in sea kg/km	MBL kN	Min. bend R mm
Marine Seismic Gun Control Cable-GC Digital Gun Control & Tailbuoy Cables (Polyaramid Tow) 7 sizes							
☐ Marine Seismic Gun Control Cable-8P2C	8×2×0.5 PiMF + 2×2.5 mm^2	16.4	145	340	120	45	164
☐ Marine Seismic Gun Control Cable-12P4C	12×2×0.5 PiMF + 4×2.5 mm^2	19.8	235	510	190	65	198
☐ Marine Seismic Gun Control Cable-16P4C	16×2×0.5 PiMF + 4×4.0 mm^2	22.6	330	680	260	85	226
☐ Marine Seismic Gun Control Cable-20P6C	20×2×0.75 PiMF + 6×2.5 mm^2	25.4	460	890	350	105	254
☐ Marine Seismic Gun Control Cable-24P6C	24×2×0.75 PiMF + 6×4.0 mm^2	28.2	595	1,120	450	125	282
☐ Marine Seismic Gun Control Cable-32P8C	32×2×0.75 PiMF + 8×4.0 mm^2	32.0	790	1,460	590	150	320
☐ Marine Seismic Gun Control Cable-48P8C	48×2×0.5 PiMF + 8×4.0 mm^2	35.5	845	1,720	680	175	355
Marine Seismic Gun Control Cable-SL Hybrid Electro-Optical Streamer Lead-In Cables 5 sizes							
☐ Marine Seismic Gun Control Cable-SL-12P4C-4FO	12×2×0.5 PiMF + 4×4.0 + 4FO FIMT	21.8	290	640	255	95	218
☐ Marine Seismic Gun Control Cable-SL-16P6C-8FO	16×2×0.75 PiMF + 6×4.0 + 8FO FIMT	26.5	490	980	405	130	265
☐ Marine Seismic Gun Control Cable-SL-24P6C-8FO	24×2×0.75 PiMF + 6×6.0 + 8FO FIMT	30.8	710	1,350	570	160	308
☐ Marine Seismic Gun Control Cable-SL-24P8C-12FO-ARM	24×2×0.75 + 8×6.0 + 12FO (Steel Armour)	33.4	825	2,480	1,590	200	334
☐ Marine Seismic Gun Control Cable-SL-36P8C-12FO-ARM	36×2×0.75 + 8×6.0 + 12FO (Steel Armour)	37.6	1,005	3,050	1,930	220	376

– PiMF = Pair in Metal Foil (individual 100 % Al/PET screen with tinned copper drain wire per telemetry pair).

Standards and approvals

- ISO 13628-5 Marine Seismic Control Compliant
- DigiSHOT / GunLink & Streamer Bus Compatible

Certifications

Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone
+86 185 9591 3361

Email
info@tebaoflex.com

Web
tebaoflex.com/cables/digicode-marine-seismic-digital-streamer-gun-control-cable

Typical values for this cable type, based on ISO 13628-5 / IEC 60092-376 / EIA-485. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.