

KINREI of America

Wire Machine Sales, Parts & Service

26 North Center Street, Orange, New Jersey 07050

Telephone (973) 672-1800 Fax (973) 673-0907

Technical specification for Kinrei CB-1000:DOUBLE TWIST CABLER

1. Model: CB-1000 Double Twist Cabler

Machine type/ construction High performance double twist
cabler with positive driven capstans,
left and right version available.

Welded steel construction, stress
free annealed heavy duty frame to
achieve all requirements
regarding vibration, sound proof
and safety.

Machine foundation or sound
proof enclosure is not necessary.
Aerodynamic design with high
performance stranding bow from
solid high tensile steel, for low
friction and gentle wire path.

The Rotors are dynamically balance.

Bearings of main spindle are grease

Capstan with idler pulley is slipless
gear driven, to achieve a constant
lay length during acceleration, deceleration,
and steady state.

2. Uses

Laying up 2, 3, 4 PVC, PE, insulated cores
Lan Cabler for Cat 5, 5E, 6, 6E,

3. Performance

3.1 Insulated core size	From 1.5 mm	up to 3.5mm
Conductor size	From 0.5 mm	up to 0.9 mm

3.2 Number of Strand :	2, 3 or 4 insulated conductors	
Dia. Of finished strand	3.0 mm minimum to 8.0 mm maximum	



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- 3.3 Lay length 21.16 mm up to 150.38 mm
Selection of lay length is done by
Change gears, capstans are hard
chrome plate, to avoid wear.
5 sets of changeable gears are free of
charge.
- Hauling off device $\pi D = 500\text{mm}$ Double capstan system
- 3.4 Lay direction Left or Right (S or Z), By external
selector switch.
- 3.5 Spool size. Max. Flange dia. 1000 mm
Max. Overall Width 710 mm
Max. Reel weight 600 Kg
- 3.6 Machine speed Max. 1,000 rpm = 2,000 tpm
Line speed Max. 300 m/min.
- 3.7 Main Drive 15Kw 6P Induction Motor
- 3.8 Other Drive 2.2Kw 4P AC Motor for Blower fan
0.3Kw 4P Geared Motor for Lift
90 w Geared Motor for Pintle Drive
- 3.9 Spool Drive Electrical Magnet powder clutch
(Mitsubishi ZKB-5BN)
automatically controlled in 256
steps from empty to full spool
4. Accessories.
- 4.1 Drum support Shaftless type
- 4.2 Loading Device Platform loading device powered
by electric motor. Fully interlock for
operator safety. Spring loaded drive
pins so operator does not have to
align holes in reel. Motor for pintle
protected by mechanical torque
limit.



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- | | |
|---------------------------|---|
| 4.3 Traverse | Mechanical driven traverse, with traverse, with end pitch easily adjustable.
Uhing Traverse : 3RG-30-MCR-F |
| 4.4 Brake | Disk Brake for emergency stop.
(Compressed-Air 4kg/cm ² 5 8sec.)
Normal stop by AC frequency control unit. (Max. 60sec.) |
| 4.5 Main control cabinet | The control is located on the front of the cabler and controls the essential operations required to operate the cabler. The main power switch / circuit breaker assembly located to the entrance side of machine. |
| 4.6 Operator panel | Switch and button:
(SZ selector, RUN, JOG, STOP, Emergency STOP, LIFT ON/OFF, BOBBIN OPEN/CLOSE, LIFT UP/DOWN)
ampere meter, length counter located at operator sight. PLC control is included in the main control cabinet. Installation of separate cabinet is not necessary. |
| 4.7 Indicator | RUN, LIFT, INVERTER 1,2, THERMAL, INTERNAL/ EXTERNAL WIRE BREAK DOOR |
| 4.8 Machine stop | Pre-determined wire length, spool clamping failure, shortage of oil for main bearings and open safety doors. |
| 4.8 Power supply voltage | 3×200VAC, 50 Hz 41.7kVA
with step up transformer |
| 4.9 Machine center height | 925 mm |
| 4.10 Machine direction | Right hand to left hand |
| 4.12 Dimension | 4758 × 1475 × 2250H mm |
| 4.13 Weight | Approx. 10.0 tons |



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4.14 Lay plate & Die holder The rotating & stationary die holder
The lay plate is movable.

5 Special requirements

5.1 For brake system Pressurized air Max. 5 kg /

6. Standard accessories.

6.1 Anchor bolts and iron plate for installation	1 set
6.2 Lay pitch change gear sets	5 sets
6.3 Standard tool	1 set



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