

# MACSTEEL

## CABLE-LOCK™ PIPE SYSTEMS

Cable-locked integrated spigot and socket steel pipe system



CABLE-LOCK™ uses the same tried and tested socket system used in plastic pipe systems, with the addition of the retaining or 'flex wire' incorporated in front of the seal to 'lock' the two pipes together.

This is powerful enough to easily take care of the axial pressure loads.

It is inserted through an aperture in the socket end groove into the matching groove on the spigot end.

This flex wire is seated 360° around the groove firmly locking the pipes together.

CABLE-LOCK™ pipe is suitable for above and below the ground installations.

When the CABLE-LOCK™ pipe system is pressurised the pipes will not push apart and thrust blocks will not be required.

The system is suitable for working pressures up to 25Bar and has been pressure tested to 75Bar.

This exceeds normal safety requirements.



**CABLE LOCK**  
PIPE LOCKING MECHANISM



TUBE & PIPE

# MACSTEEL

## CABLE-LOCK™ PIPE SYSTEMS

**Cable-locked integrated spigot and socket steel pipe system**

Full range of fabricated fittings available



Easy to assemble and dis-assemble, Use pulling tools for big OD pipes.

Steel pipe manufactured to SABS 1182/719, seals to SABS 974, locked together with inserted flex cable.

- Coatings: hot dipped galvanizing to SANS 121 and/or to customer specification
- Seals drip tight, blow out proof
- No couplings required: cost savings on joining materials
- Flexible joint, gives good, ample deflexion
- Eliminates overstraining of rigid couplings or joints
- Installed lines at Anglo Platinum, Thermal Coal, BHP Billiton, Exxaro, Xstrata, Aquarius, Sasol, Rand Water
- For above ground installations, the lux on cable end can be removed and aperture closed. Maintenance on joint can be carried out with special tool

Steel pipes in size range 50NB to 250NB

NB	OD mm	Wall Thickness	Weight/6m Length
50NB	60.3	1.6mm	15.3kg
100NB	114.3	2.0mm	36.2kg
150NB	165.1	2.8mm	75.5kg
200NB	219.1	3.0mm	105.5kg
250NB	273.1	4.0/4.5mm	175.2/196.7kg



SABS Design Excellence Award Winner - 2010



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