



*\*Actual colour of cable may appear differently on different screens and on print.*

## HISTORY OF FLEXIBLE CABLES

In the 1980s, there was an increased demand in the automation field involving heavy loads and moving cables. Mechanical frictions caused production lines failures and incurred high cost. Hence, the innovation of this highly flexible cable to differentiate itself from standard cable designs.

## WHAT ARE FLEXIBLE CABLES

Flexible cables are high flexible, and can be bent multiple times depending on the design, without breaking and losing current or data transmission properties.

Flexible cables are specially designed to cope with narrow spaces and physical stress associated with moving applications and are therefore suitable to be used in any moving parts such as machines, or processing stations where vibration occurs.

Examples of such applications are portable power equipment, cable tray routing, data centres and Mass Rapid Transit (MRT).

## FLEXIBLE CABLES VS STANDARD CABLES

| Cable Type      | Flexibility, Bending-Resiliency & Stranding | Lifecycle | Cables Positioning |
|-----------------|---|-----------|--------------------|
| Flexible Cables | Present                                     | Longer    | Adjustable         |
| Standard Cables | Absent                                      | Shorter   | Permanant          |

## UNIQUE TRAITS OF TAI SIN FLEXIBLE CABLES

- ✓ Low Smoke Zero Halogen (LSZH) - Produce non-toxic-gas in the event of fire
- ✓ Highly bendable - Flexible insulation material used
- ✓ Can withstand heat exposure - Conductor operating temperature up to 90°C
- ✓ High flame retardancy - Reduces flame propagation in the event of fire

Distributed By:



12 Kallang Way North East Building  
Singapore 349216  
sales@northeast.com.sg  
Tel: 67492832

