



TECHNICAL DATASHEET

WL22 DE

**ENERGY ABSORBING DIELECTRIC DOUBLE POLYESTER WEBBING LANYARD
WITH SCAFFOLDING HOOK**

STANDARD: CERTIFIED AS PER IS 3521 (Part 2):2021, IS 3521 (Part 5):2021

CONFORMING TO EN 355:2002  

Product Introduction:

- Twin-Leg Shock-Absorbing Die-Electric Webbing Lanyard is designed to provide continuous fall protection in environments with electrical hazards, allowing safe movement between anchor points. The twin leg design ensures 100% tie-off, while the integrated shock absorber reduces impact forces during a fall. Its dielectric, non-conductive hooks enhance user safety and comfort during electrical work at height operation.

Features:

- Made from electrically insulated components to prevent current flow in energized environments.
- Twin leg design allows 100% tie-off for continuous protection while moving between two anchor points.
- Made from high-strength polyester webbing for superior durability and tensile strength.
- Includes webbing loop at one end and two die-electric scaffolding hooks with shock absorber at other end for effective energy absorption after a fall.
- Provides flexible movement in all direction while ensuring safe anchorage.
- All dielectric hardware are free from exposed metallic surfaces and provides insulation up to 9 kV (maximum).



Product Specifications:

Model	: WL22 DE
Webbing Material	: 44mm (+/- 1mm) wide Polyester Webbing
Breaking Strength	: 23 kN (Minimum)
Stitching Thread Material	: High tenacity virgin multifilament polyester
Gate Opening	: 56 mm
Lanyard Length	: 1/1.5/1.8 meter
Shock Absorber Length	: 0.2 meter
Weight	: 1.5 kg (Approx.)

Benefits:

- Non-conductive components reduce the risk of electrical conductivity when working near live electrical lines.
- Dielectric hooks and hardware minimize the possibility of electrical arc flash incidents.
- Provides additional assurance in high-risk electrical environments with fall arrest facility.
- 100% tie off while working at height.
- Reduces impact on user in the event of fall.



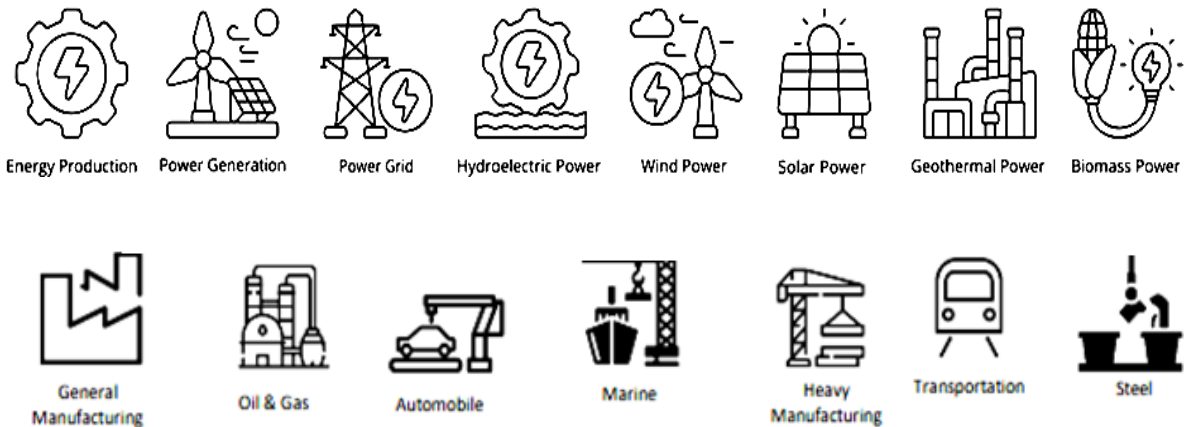
WL22 Di Electric Lanyard

Applications:

- **Electrical Utilities:** Safe for linemen and technicians working near energized environment, poles, and transformers.
- **Fall Arrest:** Stops a person's fall by reducing the impact force through the integrated shock absorber, ensuring safety when working at heights where a fall risk exists.
- **Fall Restraint:** Restricts the worker's movement, preventing them from reaching areas where a fall could occur, while allowing mobility within a safe working zone.

Industries:

Die-electric lanyards are essential for creating a temporary anchorage point for maintaining a safe and efficient working environment in any manufacturing, construction, utility related industries where electrical job is required at elevated location.



Safety Information:

- Inspect the lanyard, hook and shock absorber before each use for cuts, wear, or damage.
- Do not tie knots or modify the lanyard in any way.
- Replace the lanyard immediately after a fall or if the shock absorber is deployed.
- Follow manufacturer's instructions and applicable safety standards during use and inspection.
- Do not use the lanyard in environments where electrical energy exceeds 9 kV.

Storage:

- Store the lanyard in a clean, dry, and well-ventilated area away from direct sunlight, heat, and moisture, ensuring it is completely dry and placed in its original packaging or hang properly to prevent deformation or abrasion.