



TECHNICAL DATASHEET

WL22 FR

ENERGY ABSORBING DOUBLE FLAME RETARDANT WEBBING LANYARD WITH SCAFFOLDING HOOK

**STANDARD: CERTIFIED AS PER IS 3521 (Part 2): 2021, IS 3521 (Part 5):2021
CONFORMING AS PER EN 355:2002**



Product Introduction:

- Twin-Leg Shock-Absorbing Flame-Retardant Webbing Lanyard is designed to provide continuous fall protection in environments requiring heat and flame resistance, enabling safe movement between anchor points. The twin-leg design ensures 100% tie-off, while the integrated shock absorber minimizes impact forces during a fall. Its flame-retardant components enhance user safety and comfort during hot-work operations at height.

Features:

- Constructed from flame retardant materials that resist heat, sparks, weld splashes during hot-work operations.
- Twin-leg design ensures 100% tie-off, enabling continuous fall protection while moving between anchor points.
- Made from 44mm high-strength, aramid webbing for superior durability and enhanced thermal protection.
- Includes carabiner at one end and two alloy steel scaffolding hooks with shock absorber covered by flame retardant cover at other end for effective energy absorption after a fall.
- Provides flexible movement in all direction while ensuring safe anchorage.



Product Specifications:

Model	: WL22 FR
Webbing material	: +/- 44mm wide aramid webbing
Breaking Strength	: 23 kN (Minimum)
Stitching Thread Material	: Aramid
Gate Opening	: 56 mm
Lanyard Length	: 1/1.5/1.8 meter
Shock Absorber Length	: 0.2 meter
Weight	: 1.5 kg (Approx.)

Benefits:

- Flame-retardant components reduce the risk of ignition, providing safer operation during hot-work activities such as welding, cutting, and grinding.
- Enhances worker confidence in hot work and high-temperature environments while offering effective fall protection.
- 100% tie off while working at height.
- Shock absorber lowers the impact force on the user in the event of a fall.



WL22 Flame Retardant Lanyard

Applications:

- **Hot Work:** Ideal for welders, fabricators, and technicians working near sparks, heat, and molten metal during operations such as welding, cutting, and grinding.
- **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:

The lanyards are essential for creating a temporary anchorage point for maintaining a safe and efficient working environment in any manufacturing, construction, utility related industries as follow.



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.

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.