# ENVIROSHIELD™ SELF-RETRACTING LANYARD, 85'

**4102085-1**




The EnviroShield™ design began with a blank piece of paper and was engineered to provide unmatched protection in extreme environments. We began by selecting the best materials that would yield the most durable, long-lasting product available. We then selected the most effective and efficient manufacturing methods to ensure that we could make the highest level of protection AFFORDABLE. The end result is a product that performs better and lasts longer with lower acquisition costs and lower long-term cost of ownership.

Under the International Electrotechnical Commission IEC 60529 standard, Ingress Protection is evaluated to determine the degree of protection provided against the intrusion of dust and water into mechanical casings and electrical enclosures. To achieve a Rating of IP69K, which is the highest possible rating, an assembly must be dust-tight, allowing absolutely no ingress of dust, and must also prevent the intrusion of powerful, high-temperature water jets. Fall Safe EnviroShield™ not only meets these requirements, but also withstands an unprecedented 1,000 hour salt-spray.

## KEY FEATURES:

- Durable stainless steel anchorage connection
- Stainless steel bulkhead plates form the front & rear face and separate the three internal chambers
- Sealed power spring & clutch chambers achieve IP69K rating, surpassing the less stringent IP68 requirements
- Features the Fall Safe FailSafe™ Locking Mechanism for positive locking performance EVERY time The ULTIMATE in anti-ratcheting design.
- Durable extruded aluminum housing eliminates the porosity common in castings and greatly reduces machining costs
- Built-in carry handle with comfort grips
- Stainless steel-formed drum assembly for increased strength & durability
- Billet aluminum hub protects sealed clutch chamber
- Sacrificial zinc anodes eliminate galvanic corrosion
- Ergonomic cable grip
- Stainless steel load-indicating carabiner & sStainless steel wire rope STANDARD (not optional)
- Over-sized steel anchor swivel
- Patented, non-centrifugal FailSafe™ locking mechanism
- Lightweight and incredibly rugged
- Exceeds the requirements of OSHA 1910 and 1926

## SPECIFICATIONS:

Intrusion Standards: IEC 60529 - IP69K

## PERFORMANCE SPECIFICATIONS:

Maximum Arrest Force: ≤ 1,800 lbs
Average Arrest Force: ≤ 900 lbs
Arrest Distance: < 42"
Capacity: 310 lbs

## MATERIAL SPECIFICATIONS:

Housing: Anodized Aluminum
Bulkhead Plates: Stainless Steel
Drum: Stainless Steel
Constituent Line: Wire Rope, Stainless, 3/16", 7x19
Attachment-End Connector: Load-Indicating, Stainless Steel
Locking Mechanism: Mechanically Activated
Energy Management System: Rotary Brake