



ARMORWIRE™ | NCHRP 350 & EN1317 CABLE BARRIER

- **THE LOWEST PART COUNT, EASIEST INSTALLATION & AFTER-IMPACT REPAIR**
- **LOW VEHICLE DEFLECTION SYSTEM — NCHRP 350 & EN 1317- 2**
- **MINIMAL BUILD-UP IN SNOW OR SAND ENVIRONMENTS**
- **QUICKLY INSTALLED WITH LOW MAINTENANCE REQUIRED**

ArmorWire™ TL-4 & TL-3 is a high tension cable barrier consisting of unique 'oval' shaped steel posts. Slots within the posts house the 4 or 3 barrier cables at the required height and each post has a concrete footing. The system allows an impacting vehicle to be re-directed in a safe and predictable manner under the NCHRP 350 test conditions.



ARMORWIRE™ | NCHRP 350 TL-3 & TL-4 AND EN1317-2 CABLE BARRIER

The ArmorWire™ TL-4 and TL-3 cable barrier has been designed, tested and accepted to NCHRP 350 longitudinal cable barrier criteria.

ArmorWire™ is proven to safely re-direct: small cars, pick-ups and single unit trucks from impact angles of up to 25°, and speeds of up to 100kph. Irrespective of the vehicles size, no deformation was found when assessing passenger cabins post-impact. Notably, all testing observed safe and

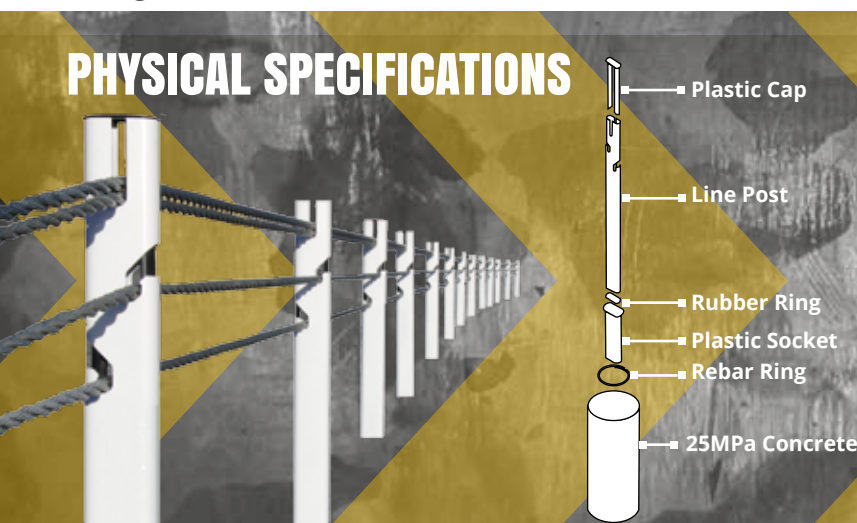
predictable trajectories; reducing the risk of secondary collisions. Measured deflections show ArmorWire™ to be a top performing system.

Designed to firmly secure the cable within the laser cut slots of the distinctive line oval posts, the ArmorWire™ system is renowned on the market for requiring the fewest component parts — with just one post cap completing an installation. The benefit of this

being three-fold: ensuring reliability, simpler installation and repairs with assured future performance and less required inventory.

ArmorWire™ is the easiest system of its kind to install and repair. Without the need for additional parts or stiffening plates, installation time is reduced — yielding further savings, whilst promptly re-establishing safety on the roads.

PHYSICAL SPECIFICATIONS



ArmorWire™ NCHRP 350 TL-3 & TL-4 Cable Barrier

Max Height	872mm			
Post width	97mm			
Cable Heights (3 Cable)	530 650 770mm			
Cable Heights (4 Cable)	530 650 770 790mm			
Tested Barrier	TL-3 (2000kg pick up truck, 25°, 100km/h)		TL-4 (8000kg truck, 15°, 80km/h)	
	Post Spacing	3.0m 9.0m	3.0m 6.0m	
Deflection	1.54m	3.27m	1.10m	3.8m
Working Width	1.54m	3.27m	2.15m	4.9m

FEATURES AND BENEFITS

- » Most user-friendly cable barrier in the market with minimal components (socket, post, post cap and cable) - easiest installation & after-impact repair.
- » Tested and approved to NCHRP 350 TL-3, TL-4 and EN 1317-2 - ensuring known design performance to reduce risk.
- » 3 and 4 cable options available achieves TL-3 and TL-4 approval - no need for multiple system designs.
- » Post spacing from 3.0m to 6.0m centers subject to cost vs. performance requirements - economical installation.
- » Terminal end is TL-3 tested and approved without snagging vaulting or ramping issues - preventing dangerous vehicle behaviour.
- » Socketed system for ease and speed of repair after impact
- » Demonstrable reduction in sand build-up - keeping roads safer and reducing maintenance effort and cost.
- » High-tension system provides exceptionally low deflection and safe test ASI rating (A). Assuring Safety in a tighter margin
- » Oval line post design offers higher protection to vulnerable users with no sharp edges to cause injury.

SPECIFICATIONS

- » All posts are hot-dip galvanised to EN161 (Powder coated is optional)
- » Cable - 19mm 3x7 strand, pre-stretched by 35%
- » Typical line post footings are 300 Ø x 750mm (0.05m³)
- » Concrete is 25mpa minimum strength
- » Length of Need is 8m (Terminal end LoN)
- » Selection of line post and terminal foundation options to suit ground condition
- » FHWA Acceptance to NCHRP 350 TL-3 & TL-4
- » Up to 5000m run length



HIGHWAY CARE
+44 (0) 1622 734215 info@highwaycare.com
www.highwaycare.com