

OVERVIEW

The ArmorWire TL-4 (or TL-3) cable barrier has been designed, tested and accepted to NCHRP 350 longitudinal cable barrier criteria. ArmorWire's unique oval posts have been designed to firmly secure the cable, minimising the use of fasteners with only one post cap used to lock up all cables in place.

Upon impact with either an 820, 2000 or 8000 kg vehicles ArmorWire safely re-directed them from impact angles up to 25° and speeds up to 100kph. Zero deformation was found in the passengers cabins regardless of the size of the vehicle. Safe and predictable trajectories were observed during the tests.

ArmorWire has the lowest deflection of its category (NCHRP 350, 100kph, 25°, 2000kg), at 1.54m while using 3m posts spacing. This allows big capital savings while investing in a high performing product. ArmorWire is also the easiest system of its kind to install and repair, reducing installation time and yielding further savings while promptly re-establishing safety on the roads

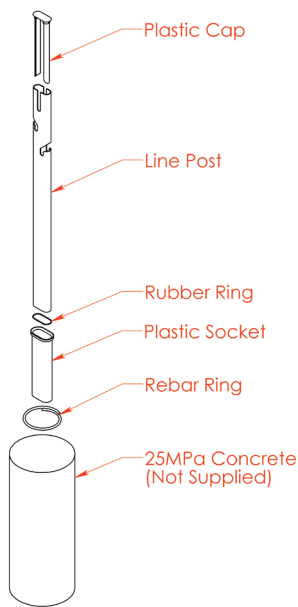


8000kg Vehicle, 80kph, 15° Re-directive Impact on the Armorwire TL-4, 4 Cable Barrier

FEATURES



- Most user-friendly cable barrier in the market, easiest installation & after-impact repair
- Lowest vehicle deflection system in its category (NCHRP 350)
- Exceptional vehicle control and behaviour
- System with the lowest part count in the market
- Low cost system installation and maintenance
- Same system can be used in roadside as well as median application
- Tested and accepted to NCHRP 350 TL-4 (four wire system) & TL-3 (three wire system)
- Various foundation pile sizes available
- Matching NCHRP 350 TL-3 terminal end available Universal (ATE)
- Minimal build-up in snow or sand environments
- No sharp edges or exposed "hooks" on posts



SPECIFICATIONS

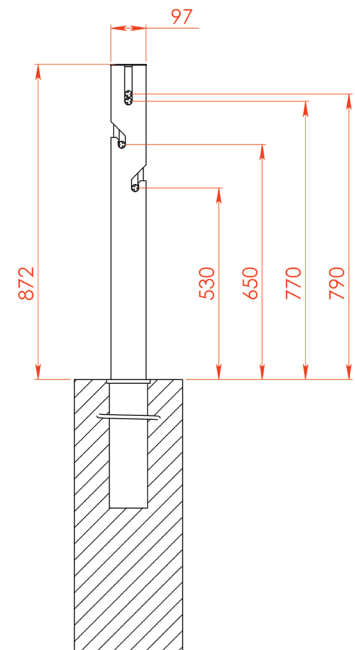
- Barrier width is only 97mm
- Dynamic deflection for 2000 kg vehicle is 1.54m
- Length of Need is 8m (Terminal end LoN)
- The post spacing beyond Terminal End (LoN) starts at 1m and up to 9m
- Posts are hot dip galvanized (powdercoating is optional)
- Specified Cable: 19mm, 7 strand, pre-stretched by 35% (Standard)
- Cable Heights (to the centre) as per the drawing below
- Post foundation designs available to suit common soil strengths (starting at ϕ 300 x 750mm, 0.05m³)
- Concrete specified is 25 MPa (3.626 ksi)

DEFLECTIONS

The **ArmorWire TL-3** system can use post spacing ranging from 1.0m to 9.0m in line with the installation deflection requirements (see Interpolated Deflection table below). Deflections marked with a star are from actual crash testing involving a 2000kg pickup truck impacting at 100kph at 25°.

Post Spacing (m)	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Deflection (m)	1.54*	1.83	2.12	2.41	2.69	2.98	3.27*

* Actual NCHRP 350 TL-3 tested deflections.



SUMMARY

The **ArmorWire TL-4** (or TL-3) Cable Barrier has been tested to NCHRP 350 criteria for longitudinal cable barriers. It can be used in either edge of road or median applications.

When impacted with an 820, 2000 and 8000kg vehicle at speeds of up to 100kph and side on entry angles up to 25 degrees, the impacting vehicle is re-directed in a safe manner.

ArmorWire offers the lowest part count system in the market. This simplifies its installation and repair process, promptly re-establishing safety on our roads, saving more lives.



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REPRESENTED BY:

