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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **INTENDED USE**The ArmorWire TL-3 three-cable barrier (**SGM33a**) has been tested to NCHRP 350 criteria for longitudinal cable barriers. It can be used in either edge of road or median applications. 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 deflections.**SGM33a** is a Test Level 3 accepted system, by installing an additional cable to the top slot of the barrier post the system is converted to Test Level 4 (**SGM33b)**. The remaining components are common for both TL-3 and TL-4 system. **FEATURES AND SPECIFICATIONS*** Exceptional vehicle control and behaviour
* System with the lowest part count in the market
* Same system can be used in roadside as well as median application
* Tested and accepted to NCHRP 350 TL-3 (three wire system)
* Easily upgradable to TL-4 system
* Matching NCHRP 350 TL-3 end terminal available: Universal (ATE)
* Minimal build-up in snow or sand environments
* No sharp edges or exposed “hooks” on posts
* Barrier width is only 97mm
* Dynamic deflection for 2000 kg vehicle is 1.54m (100kph, 25°)
* Length of Need is 8m (Terminal end LoN)
* Posts are hot dip galvanized (powder coating is optional)
* Concrete specified is 25 MPa (3625 psi)

**APPROVALS**FHWA Acceptance Letter: **B-222**. **CONTACT INFORMATION**Armorflex International LTD[www.armorflex.co.nz](http://www.armorflex.co.nz)Telephone: +64 9 4269174156 Foundry RdSilverdale, Auckland 0932New Zealand   |
|  ARMORWIRE CABLE BARRIER TL-3 |
| **SGM33a** | M:\New AIL logo.png |
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