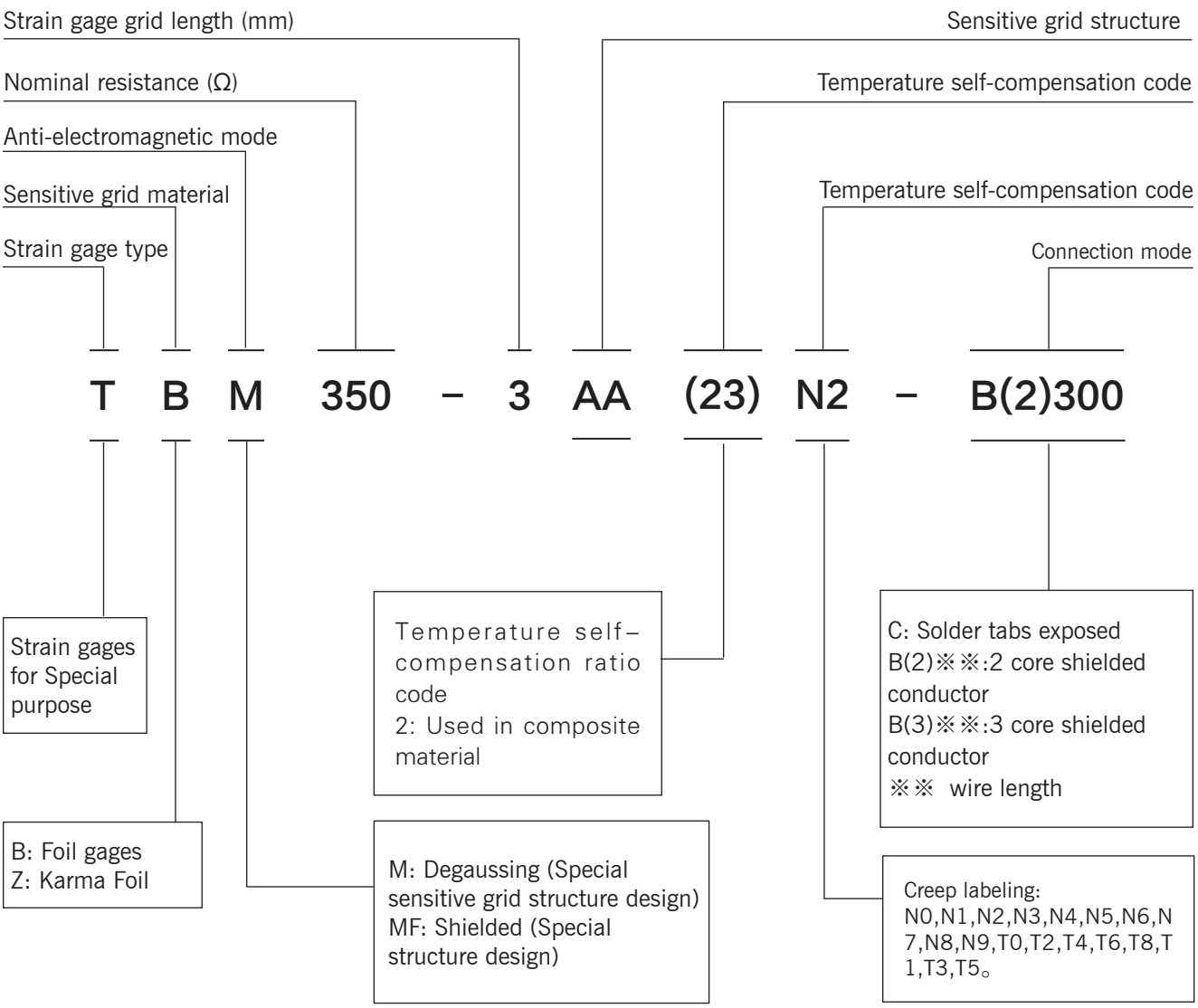
# Anti-Electromagnetic Interference Stain Gages

Anti-electromagnetic interference stain gages with special structure design could minimize the interference of the electromagnetic interference to resistance strain gage signal, which ensure the accurate transmission of the strain signal. It can be used in intense, alternating, pulsed electromagnetic field environment and the environment with strong interference. It's applicable to the environment of strong magnetic and low electrical signal when the interference signal is greater than the stain gages signal as well.

Anti-electromagnetic interference stain gages has two kinds of structure designs. One connects upper and lower two sensitive grids in series with a special fully coincident double-layer sensitive grid structure design, so that the current through the two sensitive grids are opposite to each other and form an offset to electromagnetic interference.

Anti-electromagnetic interference strain gages take special polyimide film as the base, which has a fully sealed structure, could be used in the stress and strain test and research with electromagnetic interference or electromagnetic field intensity in the range of 5000GS. Its applicable temperature is from -20℃ to 100℃ .

## Designation system for Anti-electromagnetic interference strain gages



# Anti-Electromagnetic Interference Stain Gages

## Anti-electromagnetic interference stain gages

| Product Model | Sensitive grid size Long (L) × width (W) (mm) | Backing size Long (L) × Width (W) (mm) |
|---|---|---|
| TBM700-3AA(**)N* | 3.0×4.4 | 7.1×5.8 |
| TBM700-3HA(**)N* | 3.0×4.5 | 8.1×6.9 |
| TBM700-3BB(**)N* | 3.0×3.3 | 6.5×8.4 |
| TBMF350-3AA(**)N** | 2.8×2.0 | 6.4×3.5 |

## Anti-electromagnetic interference strain gages assorted adhesive selection

Especially recommend our high performance epoxy adhesive H-600, H-610 and normal temperature curing adhesive B-711, H-611, B-702 and other assorted protective glue, auxiliary materials to bond and protect anti-electromagnetic interference strain gages.

## Notice for anti-electromagnetic interference strain gages use

1. The base of anti-electromagnetic interference strain gage is brittle and easy to be damaged. Take care during the process of clamping, transfer, bonding to avoid damage to the strain gage backing.
2. The adhesion of anti-electromagnetic interference strain gage is lower than normal strain gage, thus people shall thicken the adhesive layer when using.
3. During the led-wiring process of anti-electromagnetic interference strain gages, the soldering temperature could not exceed 280℃. Meanwhile, the soldering time could not be too long, which may bring local overheating damage for the soldering end of the strain gage.
4. For the wire with large soldering wire diameter (>Φ0.2mm), use the method of terminal connect the wire to avoid false soldering which caused by direct soldering on the strain gage.