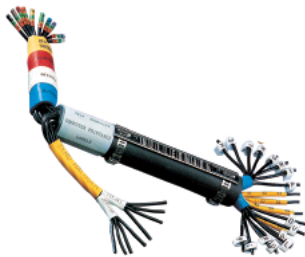




IDENTIFICATION SYSTEMS

Overview:

A critical requirement of any electrical, electronic and telecoms installation is the identification of wires, cables, terminals and switch gear to ensure termination to the correct source and load as per the schematic drawings. Identification products are produced in a number of different designs and materials for a wide variety of applications and environmental conditions and careful consideration must be given to selecting the right product for a specific application.



Options:

Identification products range from standard wire and cable markers (fitted pre or post termination) to customized labels, markers and tags which are printed using specially designed printing systems. The main options available are:

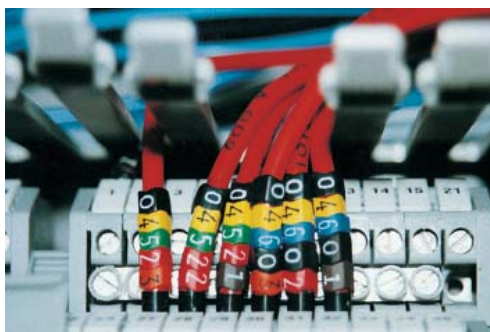
- Ferrule markers (HG and PU)
- Carrier markers (HO)
- Wire Identification Clip-on markers (WIC)
- Heat shrinkable printed labels
- Stainless steel markers
- Portable printed labels

Selection Criteria:

1.0 Ferrule (HG) markers

Are individually marked and indent shaped segments for direct application over wires.

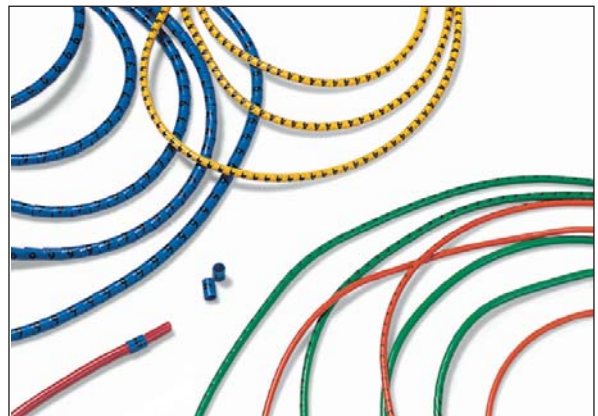
- High grade flexible PVC, chevron cut for locking alignment.
- Inexpensive and simple to use.
- Coding A - Z, 0 - 9 and colour coded 0 - 9.
- Wire diameter 1.0 - 16mm.
- International colour coding.
- Pre-termination.
- Ideally suited to panel building, mass transit, utilities, telecoms and electrical contracting.



2.0 PU markers

Are low profile ferrule markers for high density light gauge wiring applications.

- High grade light weight PVC.
- Coding A - Z, 0 - 9 and colour coded 0 - 9.
- Wire diameter 0.5 - 5.5mm.
- International colour coding.
- Pre-termination.
- Applications where space is at a premium.



3.0 Carrier (HO) markers

Are oval shaped individually marked segments suitable for use with a carrier device.


- High grade flexible PVC.
- Coding A - Z, 0 - 9 and colour coded 0 - 9.
- International colour coding
- Post termination used in conjunction with an arrowtag.
- Ideally suited to panel building, mass transit, utilities, telecoms and electrical contracting.



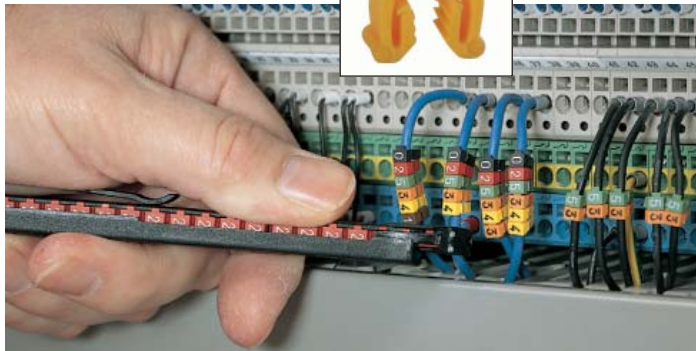


4.0 WIC (clip-on) Markers

Are individually marked open segments for clipping over wires.

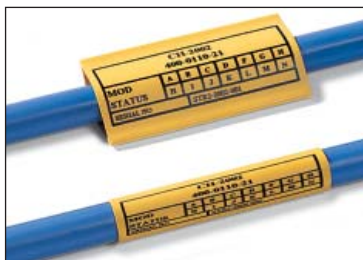
- High grade Nylon 66 for excellent mechanical strength and chemical resistance.
- Coding 

- Wire diameter 2 - 5.3mm (3 sizes).
- International colour coding.
- Post-termination.
- Ideal for any of the above applications where termination has been completed.
- Application by hand or special tool.



5.0 Heat Shrinkable Printed Labels

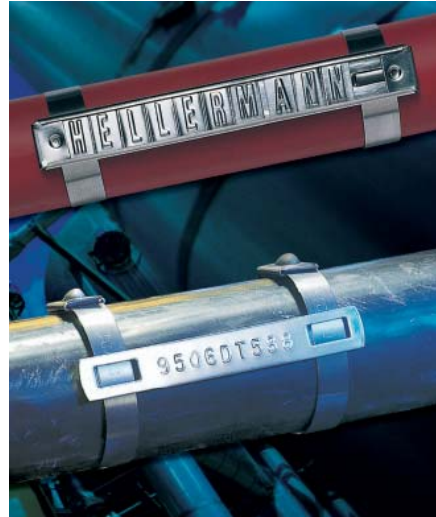
- Cross-linked polyolefin heatshrink is used to print on.
- Shrink ratio 2:1 or 3:1.
- Has excellent mechanical strength, good resistance to organic solvents and chemicals.
- Heatshrink supplied on flat reels that fit into the printer.
- Using appropriate software makes it simple and costs effective to use.
- Applications are endless and are dependant on the label material used.
- Pre-termination.



6.0 Stainless Steel Markers

- Stainless steel type SS316 for harsh aggressive environments and hazardous conditions.
- Available with carriers and marker tiles or factory embossed labels/tags.

- Factory embossed label system with text as per customer request.
- To be held in place with MBT/MAT stainless steel ties, alternatively screws/rivets.
- Post termination.
- Suitable where severe mechanical or chemical conditions occur (offshore, marine eng., petrochemical, underground mining).



7.0 Portable printers

- Various portable printers are available.
- Design and create your own label on site.
- Carefully select your label to suit the environmental conditions.
- Pre or post termination.



Selection Criteria

The above mentioned are only a few of the most popular methods in the industry and it is recommended that you consult a specialist company on other special applications. In summary it is important to always consider the following before choosing a suitable solution:

- Environmental conditions.
- Indoors or outdoors (UV stabilized).
- Pre or post termination.
- Cable or wire size.
- Space available.