

## Suggested Copy for Lapp Limited in Farnell Catalogue

### UL CSA HAR Style 1015

(Farnell: Machine tool & panel wire UL-CSA-HAR Style 1015)

#### Application

The Multiple Standard Hook Up Wire are UL, CSA and HAR(VDE)\* approved and intended for wiring of control cabinets and installation in protective insulated tubes in the area of application of the North American, Canadian and European Standards. Especially for wiring of Industrial Machinery acc. to NFPA 79. These wires are increased oil resistant and at room temperature they are generally resistant against acids and caustics solutions.

#### Design

|                 |  |
|-----------------|--|
| Conductor       | Tinned copper fine wire strand in accordance to UL-CSA-HAR |
| Core insulation | PVC-special-compound acc. to UL, CSA and HAR standards     |

#### Electrical properties at 20 ° C

|                 |  |
|-----------------|--|
| Nominal voltage | VDE/HAR 450/750 V<br>from 1,5 mm <sup>2</sup> up for 600/1000 V, if these wires are fixed installed with a mechanical protection. UL,CSA 600 V |
| Test voltage    | 2500 V AC  |

#### Mechanical and thermal properties

|                 |   |
|-----------------|---|
| Temp. range     | fixed inst.: UL, CSA: -40 to +105°C ((MTW 90°C) max. conductor temp.<br>HAR: -40 to +70°C max. conductor temp.  |
| Flame retardant | in acc. to UL VW 1, CSA FT 1, IEC 60332.1   |
| Oil resistance  | in acc. to UL/CSA 60°C (Oil res. I)   |
| Approvals       | UL Listing as MTW wire acc. to UL 1063<br>UL Recognition as AWM Style 1015<br>CSA TEW acc. to CSA C22.2 No.127<br>VDE H07V-K (*) acc. to HD 21.3 S3 (VDE 0281-3)<br>The identification of the approval takes place by printing on the wire and on the tag of the packing. |
| Use             | UL MTW , acc. to ANSI/NFPA 70 (National Electrical Code)<br>UL AWM, oil resistant PVC insulated wire for internal wiring of appliances CSA TEW,<br>oil resistant wire for internal wiring<br>VDE H07V-K (*) insulated wire for internal wiring                            |
| EC directive    | This cable confirms to ECD 73/23/EEC (low voltage directive).   |

For the dimensions 0,5; 0, 75; 1,0; 16; 50; 70, 95 and 120 mm<sup>2</sup> no HAR-approval existing!