

# Armoured Instrumentation 18awg 300V STOS



**18 awg** Stranded tinned soft copper, ASTM B8, B33, 300v XLPE insulation, **twisted into Triads**, individually Shielded Pairs with a stranded tinned copper drain wire, polypropylene fillers, polyester separator tape, overall aluminum/mylar shield with tin copper Drian wire, black FR LAG PVC Inner jacket, aluminum interlocked armour, grey FT4, FR, LAG PVC, outer jacket

## Specifications and Compliance

CSA C22.2 No. 239 & CSA C22.2 No. 174, CSA C22.2 NO. 38

Flame Test rate: CSA FT4, IEEE 383/1202 (70,000 BTU/hr.), Vertical Flame Test rated

## 18 awg Stranded Tinned Copper Triads STOS (Shielded Triads & Overall Shield) 300v

| RW Part No. | Number Of Pairs | Insulation Thickness<br>in | Inner Jacket O.D.<br>in | Armour O.D.<br>in | Cable O.D.<br>in | Cable Weight<br>kg/km | Max Pulling Tension<br>lbs | Min Bend Radius<br>in |
|-------------|-----------------|----------------------------|-------------------------|-------------------|------------------|-----------------------|----------------------------|-----------------------|
| IA18-01-TA4 | 1               | 0.025                      | 0.289                   | 0.520             | 0.641            | 246                   | 39                         | 11.5                  |
| IA18-02-TA4 | 2               | 0.025                      | 0.420                   | 0.620             | 0.725            | 309                   | 53                         | 8.7                   |
| IA18-04-TA4 | 4               | 0.025                      | 0.485                   | 0.685             | 0.791            | 398                   | 107                        | 9.5                   |
| IA18-08-TA4 | 8               | 0.025                      | 0.659                   | 0.859             | .966             | 622                   | 213                        | 11.6                  |

All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without notice.

# Armoured Instrumentation 18awg 300V STOS

## Colour Coding

- Multi Triads – Triads – Black, white & red, number-coded with black ink printed on white conductor

## Features

- HL rated for use in hazardous locations
- UV sunlight resistant
- SUN RES™ (all colours)
- Meets cold bend and impact tests at (-40°C)
- Direct burial rated

## Application

- Armoured Instrumentation cables are used to convert analogue or digital signals. Used when there is a possibility for crosstalk between pairs / triads.
- For wet and dry locations
- To be used for exposed and concealed wiring or where subjected to the weather.
- For use in ventilated, non-ventilated and ladder-type cable TC-ER
- Direct burial
- Approved for all hazardous locations as per CEC Part I 2018 Section 18, when installed with approved connectors.