

# Datasheet

RS Stock No:1113150

260°C, S/J, Light Weight, UV Arc Tracking Resistant

## PRODUCT REFERENCES

EN 2267-009A

EN 2267-010A

EN 2714-013\* +++F

## CONSTRUCTION

### CORES

① 1, 2, 3 or 4

Cores EN 2267-009A

### SCREEN

② Nickel-plated copper spiral screen

### JACKET

③ Polyimide Tape

④ UV PTFE Tape

## Characteristics

- ❑ Voltage rating : 600 Volts RMS.
- ❑ Operating temperature : -55°C to +260°C.(Ambient.+ Rise.)
- ❑ Operating frequency : up to 2000 Hz
- ❑ Dimensions and weights : see table on this data sheet
- ❑ Very Good Resistance to Aircraft Fluids
- ❑ Arc Tracking Resistant

## Identification

- ❑ Core Colours
- ❑ Jacket Colours and
- ❑ Marking : see next pages on this data sheet

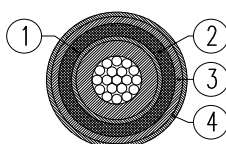
## Applications

- ❑ Designed for general Purpose Aircraft Wiring Applications

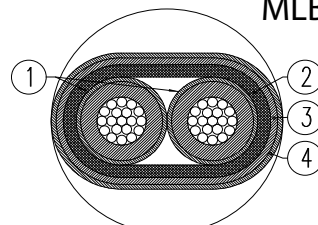
## Specifications

- ❑ prEN 4434 for conductors
- ❑ prEN 2267-009 for cores
- ❑ prEN 2714-013 for Screened and Jacketed single and multicores
- ❑ EN 3475 -601 -602
- ❑ FAR/JAR-25, §25.869 (a)(4) and appendix F, Part 1, Change 15
- ❑ EN 3475-407, Method 1

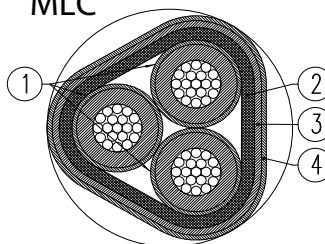
MLA



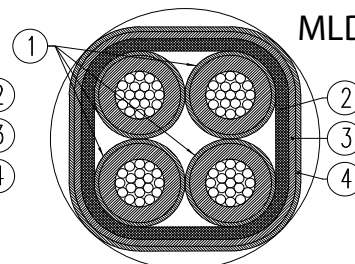
MLB



MLC



MLD



## Dimensions and Weights (Metric Units)

| PART NUMBERS | Code of<br><br>Nominal<br>section | Colour<br><br>Code | US<br><br>AWG | Nbr of<br>Cores | strands<br>nominal<br>diameter<br>(mm) |                                        |            |                                     |          |      |        |        |
|--------------|-----------------------------------|--------------------|---------------|-----------------|----------------------------------------|----------------------------------------|------------|-------------------------------------|----------|------|--------|--------|
|              |                                   |                    |               |                 |                                        | Colours                                |            | Maximum<br>DC<br>Resis-<br>tance at | Diameter |      | Weight |        |
|              |                                   |                    |               |                 |                                        | Cores                                  | Jacket     | 20°C<br>(68°K)<br>(Ohms/K<br>m)     | (mm)     |      | (g/m)  |        |
|              |                                   |                    |               |                 |                                        |                                        |            |                                     | Nom.     | Max. | Nom.   | Max.   |
| EN 2714-013A | 001                               | F                  | 26            | 1               | 0.08                                   | Light yellow                           | White      | 160                                 | 1.23     | 1.31 | 4.35   | 4.68   |
| EN 2714-013A | 002                               | F                  | 24            | 1               | 0.08                                   | White                                  | Light blue | 114                                 | 1.36     | 1.45 | 5.37   | 5.76   |
| EN 2714-013A | 004                               | F                  | 22            | 1               | 0.08                                   | Light green                            | White      | 60                                  | 1.50     | 1.60 | 6.97   | 7.51   |
| EN 2714-013A | 006                               | F                  | 20            | 1               | 0.08                                   | White                                  | Light blue | 33.2                                | 1.75     | 1.84 | 10.28  | 10.77  |
| EN 2714-013A | 010                               | F                  | 18            | 1               | 0.08                                   | White                                  | White      | 21.1                                | 1.99     | 2.08 | 14.47  | 14.97  |
| EN 2714-013A | 012                               | F                  | 16            | 1               | 0.10                                   | White                                  | Light blue | 14.5                                | 2.32     | 2.43 | 19.95  | 20.97  |
| EN 2714-013A | 020                               | F                  | 14            | 1               | 0.10                                   | White                                  | White      | 10.9                                | 2.65     | 2.74 | 26.17  | 27.03  |
| EN 2714-013A | 030                               | F                  | 12            | 1               | 0.10                                   | White                                  | White      | 6.8                                 | 3.06     | 3.20 | 37.31  | 39.70  |
| EN 2714-013A | 051                               | F                  | 10            | 1               | 0.12                                   | White                                  | White      | 4.1                                 | 3.74     | 3.89 | 58.72  | 61.94  |
| EN 2714-013B | 001                               | F                  | 26            | 2               | 0.08                                   | 1 Red<br>1 Blue                        | White      | 165                                 | 2.01     | 2.13 | 7.63   | 8.17   |
| EN 2714-013B | 002                               | F                  | 24            | 2               | 0.08                                   |                                        | Light blue | 117                                 | 2.27     | 2.40 | 9.58   | 10.23  |
| EN 2714-013B | 004                               | F                  | 22            | 2               | 0.08                                   |                                        | White      | 61.7                                | 2.55     | 2.70 | 12.70  | 13.64  |
| EN 2714-013B | 006                               | F                  | 20            | 2               | 0.10                                   |                                        | Light blue | 34.1                                | 3.09     | 3.22 | 20.17  | 21.05  |
| EN 2714-013B | 010                               | F                  | 18            | 2               | 0.10                                   |                                        | White      | 21.7                                | 3.57     | 3.71 | 28.62  | 29.52  |
| EN 2714-013B | 012                               | F                  | 16            | 2               | 0.12                                   |                                        | Light blue | 14.9                                | 4.19     | 4.38 | 39.30  | 41.20  |
| EN 2714-013B | 020                               | F                  | 14            | 2               | 0.15                                   |                                        | White      | 11.2                                | 4.91     | 5.04 | 54.19  | 55.83  |
| EN 2714-013B | 030                               | F                  | 12            | 2               | 0.20                                   |                                        | White      | 6.99                                | 5.83     | 6.09 | 81.80  | 86.79  |
| EN 2714-013B | 051                               | F                  | 10            | 2               | 0.20                                   |                                        | White      | 4.22                                | 7.11     | 7.39 | 123.94 | 130.51 |
| EN 2714-013C | 001                               | F                  | 26            | 3               | 0.08                                   | 1 Red<br>1 Blue<br>1 Yellow            | White      | 165                                 | 2.13     | 2.26 | 10.25  | 10.94  |
| EN 2714-013C | 002                               | F                  | 24            | 3               | 0.10                                   |                                        | Light blue | 117                                 | 2.45     | 2.59 | 13.83  | 14.72  |
| EN 2714-013C | 004                               | F                  | 22            | 3               | 0.10                                   |                                        | White      | 61.7                                | 2.75     | 2.91 | 18.45  | 19.76  |
| EN 2714-013C | 006                               | F                  | 20            | 3               | 0.12                                   |                                        | Light blue | 34.1                                | 3.33     | 3.48 | 29.23  | 30.44  |
| EN 2714-013C | 010                               | F                  | 18            | 3               | 0.12                                   |                                        | White      | 21.7                                | 3.85     | 4.00 | 41.75  | 42.96  |
| EN 2714-013C | 012                               | F                  | 16            | 3               | 0.15                                   |                                        | Light blue | 14.9                                | 4.53     | 4.73 | 57.96  | 60.67  |
| EN 2714-013C | 020                               | F                  | 14            | 3               | 0.15                                   |                                        | White      | 11.2                                | 5.25     | 5.39 | 76.59  | 78.83  |
| EN 2714-013C | 030                               | F                  | 12            | 3               | 0.20                                   |                                        | White      | 6.99                                | 6.23     | 6.50 | 115.68 | 122.72 |
| EN 2714-013C | 051                               | F                  | 10            | 3               | 0.20                                   |                                        | White      | 4.22                                | 7.61     | 7.90 | 177.31 | 186.69 |
| EN 2714-013D | 001                               | F                  | 26            | 4               | 0.10                                   | 1 Red<br>1 Blue<br>1 Yellow<br>1 Green | White      | 165                                 | 2.37     | 2.51 | 13.69  | 14.57  |
| EN 2714-013D | 002                               | F                  | 24            | 4               | 0.10                                   |                                        | Light blue | 117                                 | 2.69     | 2.84 | 17.37  | 18.47  |
| EN 2714-013D | 004                               | F                  | 22            | 4               | 0.10                                   |                                        | White      | 61.7                                | 3.03     | 3.19 | 23.4   | 25.04  |
| EN 2714-013D | 006                               | F                  | 20            | 4               | 0.12                                   |                                        | Light blue | 34.1                                | 3.67     | 3.82 | 37.31  | 38.81  |
| EN 2714-013D | 010                               | F                  | 18            | 4               | 0.12                                   |                                        | White      | 21.7                                | 4.25     | 4.41 | 53.73  | 55.22  |
| EN 2714-013D | 012                               | F                  | 16            | 4               | 0.15                                   |                                        | Light blue | 14.9                                | 5.01     | 5.23 | 74.58  | 78.02  |
| EN 2714-013D | 020                               | F                  | 14            | 4               | 0.20                                   |                                        | White      | 11.2                                | 5.91     | 6.06 | 104.39 | 107.36 |

### Core identification Colours :

- One core (MLA) : White except code 001 : Light Yellow code 004 : Light Green
- Two cores (MLB) : Red - Blue
- Three cores (MLC) : Red - Blue - Yellow
- Four cores (MLD) : Red - Blue - Yellow - Green

Marking : EN DRA ++ FR#\*\* Colour : White for Red and Green core. Green for Blue and Yellow core.

**Jacket identification :** White except code 002/006/012 : Light Blue

Marking : EN xxx ++ FR#\*\* Colour : Green

xxx = Short designation (MLA, MLB, MLC, MLD) ++ = Awg FR = Country of Origin (FR = France)

# = Manufacturer

\*\* = Year of manufacturing (ie. 02 = 2002)