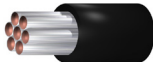
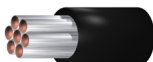


ETFE // M-ZL & M-ZLA

ETFE insulated cores, based on: MIL-W-22759/18 & /19  
Intended for use as internal wiring of equipment

| Description                      | Conductor               |                 |            |            |       | Finished wire |           |       |         |        |                                                                                     |
|----------------------------------|-------------------------|-----------------|------------|------------|-------|---------------|-----------|-------|---------|--------|-------------------------------------------------------------------------------------|
| M-ZL                             | Tin Plated Copper (TPC) |                 |            |            |       | ETFE          |           |       | Weight  | Amps   |  |
|                                  | Size                    |                 | Stranding  | Resistance | Wire  | Core          | Tolerance |       |         |        |                                                                                     |
| 600 / 1000V AC U <sub>0</sub> /U | AWG                     | mm <sup>2</sup> | # x mm     | Ω/km       | Nom Ø | Nom Ø         | Min Ø     | Max Ø | Nom g/m | @ 40°C | Article Number                                                                      |
| M-ZL 3007                        | 30                      | 0.06            | 7 x 0.102  | 354.3      | 0.30  | 0.61          | 0.56      | 0.66  | 0.90    | 5      | 572cc3007                                                                           |
| M-ZL 2807                        | 28                      | 0.09            | 7 x 0.127  | 223.8      | 0.38  | 0.68          | 0.63      | 0.73  | 1.2     | 6      | 572cc2807                                                                           |
| M-ZL 2619                        | 26                      | 0.16            | 19 x 0.102 | 131.6      | 0.48  | 0.81          | 0.76      | 0.86  | 1.9     | 9      | 572cc2619                                                                           |
| M-ZL 2419                        | 24                      | 0.24            | 19 x 0.127 | 83.3       | 0.60  | 0.91          | 0.86      | 0.96  | 2.8     | 12     | 572cc2419                                                                           |
| M-ZL 2219                        | 22                      | 0.38            | 19 x 0.160 | 52.2       | 0.76  | 1.09          | 1.04      | 1.14  | 4.2     | 16     | 572cc2219                                                                           |
| M-ZL 2019                        | 20                      | 0.60            | 19 x 0.203 | 32.0       | 0.97  | 1.30          | 1.25      | 1.35  | 6.4     | 21     | 572cc2019                                                                           |
| M-ZL 1819                        | 18                      | 0.96            | 19 x 0.254 | 20.4       | 1.21  | 1.55          | 1.50      | 1.60  | 9.7     | 28     | 572cc1819                                                                           |
| M-ZL 1619                        | 16                      | 1.23            | 19 x 0.287 | 15.8       | 1.36  | 1.70          | 1.65      | 1.75  | 12      | 32     | 572cc1619                                                                           |
| M-ZL 1419                        | 14                      | 1.87            | 19 x 0.361 | 10.0       | 1.70  | 2.06          | 2.01      | 2.11  | 19      | 43     | 572cc1419                                                                           |
| M-ZL 1237                        | 12                      | 2.98            | 37 x 0.320 | 6.59       | 2.20  | 2.62          | 2.57      | 2.67  | 31      | 58     | 572cc1237                                                                           |
| M-ZL 1037                        | 10                      | 4.65            | 37 x 0.404 | 4.13       | 2.77  | 3.20          | 3.15      | 3.25  | 48      | 78     | 572cc1037                                                                           |

| M-ZLA                            | Silver Plated High Strength Copper Alloy (HSA) |                 |            |            |       | ETFE  |           |       | Weight  | Amps   |  |
|----------------------------------|------------------------------------------------|-----------------|------------|------------|-------|-------|-----------|-------|---------|--------|-------------------------------------------------------------------------------------|
|                                  | Size                                           |                 | Stranding  | Resistance | Wire  | Core  | Tolerance |       |         |        |                                                                                     |
| 600 / 1000V AC U <sub>0</sub> /U | AWG                                            | mm <sup>2</sup> | # x mm     | Ω/km       | Nom Ø | Nom Ø | Min Ø     | Max Ø | Nom g/m | @ 40°C | Article Number                                                                      |
| M-ZLA 2619                       | 26                                             | 0.16            | 19 x 0.102 | 147.0      | 0.48  | 0.81  | 0.76      | 0.86  | 1.9     | 9      | 574cc2619                                                                           |
| M-ZLA 2419                       | 24                                             | 0.24            | 19 x 0.127 | 93.1       | 0.60  | 0.91  | 0.86      | 0.97  | 2.8     | 12     | 574cc2419                                                                           |
| M-ZLA 2219                       | 22                                             | 0.38            | 19 x 0.160 | 57.4       | 0.76  | 1.09  | 1.04      | 1.14  | 4.2     | 16     | 574cc2219                                                                           |
| M-ZLA 2019                       | 20                                             | 0.60            | 19 x 0.203 | 35.1       | 0.97  | 1.30  | 1.24      | 1.35  | 6.4     | 21     | 574cc2019                                                                           |

|                                                                                                              |            |                  |            |            |           |          |            |          |                      |                                         |           |
|--------------------------------------------------------------------------------------------------------------|------------|------------------|------------|------------|-----------|----------|------------|----------|----------------------|-----------------------------------------|-----------|
| Core identification: Replace 'cc' in the article number with 2 digits below to select from available colours |            |                  |            |            |           |          |            |          |                      |                                         |           |
| 00: Black                                                                                                    | 11: Brown  | 22: Red          | 33: Orange | 44: Yellow | 55: Green | 66: Blue | 77: Violet | 88: Grey | 99: White            | 29: Pink                                | 89: Clear |
| Characteristics and key properties                                                                           |            |                  |            |            |           |          |            |          |                      |                                         |           |
|                           | RoHS       | REACH            | LVD        |            |           |          |            |          | Low smoke generation | Flame retardant                         | +150°C    |
|                                                                                                              | 2011/65/EU | EC No. 1907/2006 | 2014/35/EU |            |           |          |            |          |                      |                                         | High temp |
| Complies with MIL-W-22759 /18 & /19                                                                          |            |                  |            |            |           |          |            |          |                      | Current rating in free air to IEC 60287 | -65°C     |
|                                                                                                              |            |                  |            |            |           |          |            |          |                      |                                         | Low temp  |

Data indicates nominal values in millimetres (mm) unless otherwise stated.  
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