

FAA L 824 - TYPE C



## CABLE STRUCTURE

|                     |   |
|---------------------|---|
| <b>Conductor</b>    | Strand of annealed tinned or bare copper wires<br>According to IEC C 60228 - Class 2 or Class 5<br>AWG types to ASTM B8 - Class B or Class C<br><br>If requested ASTM B172 or B173 flexible versions also available |
| <b>Insulation</b>   | XLPE - Cross linked polyethylene material   |
| <b>Outer Jacket</b> | PVC or PE or HF(halogen free) or other suitable jacketing material according to NEMA WC70 / ICEA S-96-658.  |

## OPERATING CHARACTERISTICS

|  |  |
|--|--|
| <b>Conductor Operating Temperature</b> | -25°C / +90°C  |
| <b>Rated Voltage</b>                   | 600 V  |
| <b>Test Voltage</b>                    | 2 kV   |
| <b>Bending Radius</b>                  | 5 x Outer Diameter   |
| <b>Standard Of Test</b>                | NEMA WC 70 / ICEA S-95-65<br>FAA Specification for L824-AC No. 150/5345-7F |

| Construction (*) | Cross Section         | Overall Diameter mm | Approx Weight kg/km | Max. Resistance of Conductors at 20 °C (ohm/km) | Current Carrying Capacity at 45 °C (A) |
|------------------|-----------------------|---------------------|---------------------|---|--|
| BCL2 / XLPE / PE | 1x2,5 mm <sup>2</sup> | 5,0                 | 39                  | 7,41  | 30                                     |
| BCL2 / XLPE / PE | 1x4 mm <sup>2</sup>   | 5,5                 | 54                  | 4,61  | 40                                     |
| BCL2 / XLPE / PE | 1x6 mm <sup>2</sup>   | 6,1                 | 75                  | 3,08  | 52                                     |
| BCL2 / XLPE / PE | 1x10 mm <sup>2</sup>  | 8,3                 | 132                 | 1,83  | 72                                     |
| BCL2 / XLPE / PE | 2x2,5 mm <sup>2</sup> | 10,0                | 113                 | 7,41  | 26                                     |
| BCL2 / XLPE / PE | 2x4 mm <sup>2</sup>   | 11,0                | 152                 | 4,61  | 34                                     |
| BCL2 / XLPE / PE | 2x6 mm <sup>2</sup>   | 12,2                | 204                 | 3,08  | 44                                     |
| BCL2 / XLPE / PE | 2x10 mm <sup>2</sup>  | 16,7                | 364                 | 1,83  | 61                                     |
| BCL5 / XLPE / PE | 1x2,5 mm <sup>2</sup> | 4,9                 | 36                  | 7,98  | 30                                     |
| BCL5 / XLPE / PE | 1x4 mm <sup>2</sup>   | 5,4                 | 50                  | 4,95  | 40                                     |
| BCL5 / XLPE / PE | 1x6 mm <sup>2</sup>   | 6,0                 | 69                  | 3,30  | 52                                     |
| BCL5 / XLPE / PE | 1x10 mm <sup>2</sup>  | 8,3                 | 123                 | 1,91  | 72                                     |
| BCL5 / XLPE / PE | 2x2,5 mm <sup>2</sup> | 9,7                 | 105                 | 7,98  | 26                                     |

(\*) For explanation of coding refer to Technical Data Section

| Construction (*) | Cross Section         | Overall Diameter mm | Approx Weight kg/km | Max. Resistance of Conductors at 20 °C (ohm/km) | Current Carrying Capacity at 45 °C (A) |
|------------------|-----------------------|---------------------|---------------------|---|--|
| BCL5 /XLPE/ PE   | 2x4 mm <sup>2</sup>   | 10,8                | 144                 | 4,95  | 34                                     |
| BCL5 /XLPE/ PE   | 2x6 mm <sup>2</sup>   | 11,9                | 190                 | 3,30  | 44                                     |
| BCL5 /XLPE/ PE   | 2x10 mm <sup>2</sup>  | 16,3                | 343                 | 1,91  | 61                                     |
| BCL2 /XLPE/ PVC  | 1x2,5 mm <sup>2</sup> | 5,0                 | 43                  | 7,41  | 30                                     |
| BCL2 /XLPE/ PVC  | 1x4 mm <sup>2</sup>   | 5,5                 | 59                  | 4,61  | 40                                     |
| BCL2 /XLPE/ PVC  | 1x6 mm <sup>2</sup>   | 6,1                 | 80                  | 3,08  | 52                                     |
| BCL2 /XLPE/ PVC  | 1x10 mm <sup>2</sup>  | 8,3                 | 142                 | 1,83  | 72                                     |
| BCL2 /XLPE/ PVC  | 2x2,5 mm <sup>2</sup> | 10,0                | 141                 | 7,41  | 26                                     |
| BCL2 /XLPE/ PVC  | 2x4 mm <sup>2</sup>   | 11,0                | 184                 | 4,61  | 34                                     |
| BCL2 /XLPE/ PVC  | 2x6 mm <sup>2</sup>   | 12,2                | 242                 | 3,08  | 44                                     |
| BCL2 /XLPE/ PVC  | 2x10 mm <sup>2</sup>  | 16,7                | 436                 | 1,83  | 61                                     |
| BCL5 /XLPE/ PVC  | 1x2,5 mm <sup>2</sup> | 4,9                 | 40                  | 7,98  | 30                                     |
| BCL5 /XLPE/ PVC  | 1x4 mm <sup>2</sup>   | 5,4                 | 55                  | 4,95  | 40                                     |
| BCL5 /XLPE/ PVC  | 1x6 mm <sup>2</sup>   | 6,0                 | 74                  | 3,30  | 52                                     |
| BCL5 /XLPE/ PVC  | 1x10 mm <sup>2</sup>  | 8,3                 | 133                 | 1,91  | 72                                     |
| BCL5 /XLPE/ PVC  | 2x2,5 mm <sup>2</sup> | 9,7                 | 131                 | 7,98  | 26                                     |
| BCL5 /XLPE/ PVC  | 2x4 mm <sup>2</sup>   | 10,8                | 174                 | 4,95  | 34                                     |
| BCL5 /XLPE/ PVC  | 2x6 mm <sup>2</sup>   | 11,9                | 226                 | 3,30  | 44                                     |
| BCL5 /XLPE/ PVC  | 2x10 mm <sup>2</sup>  | 16,3                | 412                 | 1,91  | 61                                     |
| BAWGB /XLPE/ PE  | 1x12 AWG              | 5,3                 | 48                  | 5,34  | 36                                     |
| BAWGB /XLPE/ PE  | 1x10 AWG              | 5,9                 | 69                  | 3,35  | 48                                     |
| BAWGB /XLPE/ PE  | 1x8 AWG               | 7,6                 | 110                 | 2,10  | 64                                     |
| BAWGB /XLPE/ PE  | 1x6 AWG               | 8,5                 | 160                 | 1,33  | 86                                     |
| BAWGB /XLPE/ PE  | 2x12 AWG              | 10,7                | 137                 | 5,34  | 30                                     |
| BAWGB /XLPE/ PE  | 2x10 AWG              | 11,9                | 188                 | 3,35  | 40                                     |
| BAWGB /XLPE/ PE  | 2x8 AWG               | 16,0                | 321                 | 2,10  | 54                                     |
| BAWGB /XLPE/ PE  | 2x6 AWG               | 17,9                | 447                 | 1,33  | 72                                     |
| BAWGC /XLPE/ PE  | 1x12 AWG              | 5,4                 | 48                  | 5,34  | 36                                     |
| BAWGC /XLPE/ PE  | 1x10 AWG              | 6,0                 | 69                  | 3,35  | 48                                     |
| BAWGC /XLPE/ PE  | 1x8 AWG               | 7,6                 | 110                 | 2,10  | 64                                     |
| BAWGC /XLPE/ PE  | 1x6 AWG               | 9,0                 | 167                 | 1,33  | 86                                     |
| BAWGC /XLPE/ PE  | 2x12 AWG              | 10,7                | 137                 | 5,34  | 30                                     |
| BAWGC /XLPE/ PE  | 2x10 AWG              | 12,0                | 190                 | 3,35  | 40                                     |
| BAWGC /XLPE/ PE  | 2x8 AWG               | 16,1                | 323                 | 2,10  | 54                                     |
| BAWGC /XLPE/ PE  | 2x6 AWG               | 18,0                | 451                 | 1,33  | 72                                     |
| BAWGB /XLPE/ PVC | 1x12 AWG              | 5,3                 | 53                  | 5,34  | 36                                     |
| BAWGB /XLPE/ PVC | 1x10 AWG              | 5,9                 | 74                  | 3,35  | 48                                     |
| BAWGB /XLPE/ PVC | 1x8 AWG               | 7,6                 | 116                 | 2,10  | 64                                     |
| BAWGB /XLPE/ PVC | 1x6 AWG               | 8,5                 | 168                 | 1,33  | 86                                     |
| BAWGB /XLPE/ PVC | 2x12 AWG              | 10,77               | 168                 | 5,34  | 30                                     |

(\*) For explanation of coding refer to Technical Data Section

| Construction (*) | Cross Section         | Overall Diameter mm | Approx Weight kg/km | Max. Resistance of Conductors at 20 °C (ohm/km) | Current Carrying Capacity at 45 °C (A) |
|------------------|-----------------------|---------------------|---------------------|---|--|
| BAWGB /XLPE/ PVC | 2x10 AWG              | 11,9                | 225                 | 3,35  | 40                                     |
| BAWGB /XLPE/ PVC | 2x8 AWG               | 16,0                | 388                 | 2,10  | 54                                     |
| BAWGB /XLPE/ PVC | 2x6 AWG               | 17,9                | 529                 | 1,33  | 72                                     |
| BAWGC /XLPE/ PVC | 1x12 AWG              | 5,4                 | 53                  | 5,34  | 36                                     |
| BAWGC /XLPE/ PVC | 1x10 AWG              | 6,0                 | 74                  | 3,35  | 48                                     |
| BAWGC /XLPE/ PVC | 1x8 AWG               | 7,6                 | 117                 | 2,10  | 64                                     |
| BAWGC /XLPE/ PVC | 1x6 AWG               | 9,0                 | 178                 | 1,33  | 86                                     |
| BAWGC /XLPE/ PVC | 2x12 AWG              | 10,7                | 168                 | 5,34  | 30                                     |
| BAWGC /XLPE/ PVC | 2x10 AWG              | 12,0                | 227                 | 3,35  | 40                                     |
| BAWGC /XLPE/ PVC | 2x8 AWG               | 16,1                | 391                 | 2,10  | 54                                     |
| BAWGC /XLPE/ PVC | 2x6 AWG               | 18,0                | 533                 | 1,33  | 72                                     |
| TCL2 /XLPE/ PE   | 1x2,5 mm <sup>2</sup> | 5,0                 | 39                  | 7,56  | 30                                     |
| TCL2 /XLPE/ PE   | 1x4 mm <sup>2</sup>   | 5,5                 | 54                  | 4,70  | 40                                     |
| TCL2 /XLPE/ PE   | 1x6 mm <sup>2</sup>   | 6,1                 | 75                  | 3,11  | 52                                     |
| TCL2 /XLPE/ PE   | 1x10 mm <sup>2</sup>  | 8,3                 | 132                 | 1,84  | 72                                     |
| TCL2 /XLPE/ PE   | 2x2,5 mm <sup>2</sup> | 10,0                | 113                 | 7,56  | 26                                     |
| TCL2 /XLPE/ PE   | 2x4 mm <sup>2</sup>   | 11,0                | 152                 | 4,70  | 34                                     |
| TCL2 /XLPE/ PE   | 2x6 mm <sup>2</sup>   | 12,2                | 204                 | 3,11  | 44                                     |
| TCL2 /XLPE/ PE   | 2x10 mm <sup>2</sup>  | 16,7                | 364                 | 1,84  | 61                                     |
| TCL5 /XLPE/ PE   | 1x2,5 mm <sup>2</sup> | 4,9                 | 36                  | 8,21  | 30                                     |
| TCL5 /XLPE/ PE   | 1x6 mm <sup>2</sup>   | 5,4                 | 50                  | 5,09  | 40                                     |
| TCL5 /XLPE/ PE   | 1x10 mm <sup>2</sup>  | 6,0                 | 69                  | 3,39  | 52                                     |
| TCL5 /XLPE/ PE   | 2x2,5 mm <sup>2</sup> | 8,3                 | 123                 | 1,95  | 72                                     |
| TCL5 /XLPE/ PE   | 2x4 mm <sup>2</sup>   | 9,7                 | 105                 | 8,21  | 26                                     |
| TCL5 /XLPE/ PE   | 2x6 mm <sup>2</sup>   | 11,9                | 190                 | 5,09  | 34                                     |
| TCL5 /XLPE/ PE   | 2x10 mm <sup>2</sup>  | 16,3                | 343                 | 3,39  | 44                                     |
| TCL2 /XLPE/ PVC  | 1x2,5 mm <sup>2</sup> | 5,0                 | 39                  | 7,56  | 30                                     |
| TCL2 /XLPE/ PVC  | 1x4 mm <sup>2</sup>   | 5,5                 | 54                  | 4,7   | 40                                     |
| TCL2 /XLPE/ PVC  | 1x6 mm <sup>2</sup>   | 6,1                 | 75                  | 3,11  | 52                                     |
| TCL2 /XLPE/ PVC  | 1x10 mm <sup>2</sup>  | 8,3                 | 132                 | 1,84  | 72                                     |
| TCL2 /XLPE/ PVC  | 2x2,5 mm <sup>2</sup> | 10,0                | 113                 | 7,56  | 26                                     |
| TCL2 /XLPE/ PVC  | 2x4 mm <sup>2</sup>   | 11,0                | 152                 | 4,7   | 34                                     |
| TCL2 /XLPE/ PVC  | 2x6 mm <sup>2</sup>   | 12,2                | 204                 | 3,11  | 44                                     |
| TCL2 /XLPE/ PVC  | 2x10 mm <sup>2</sup>  | 16,7                | 364                 | 1,84  | 61                                     |
| TCL2 /XLPE/ PVC  | 1x2,5 mm <sup>2</sup> | 4,9                 | 36                  | 8,21  | 30                                     |
| TCL5 /XLPE/ PVC  | 1x4 mm <sup>2</sup>   | 5,4                 | 50                  | 5,09  | 40                                     |
| TCL5 /XLPE/ PVC  | 1x6 mm <sup>2</sup>   | 6,0                 | 69                  | 3,39  | 52                                     |
| TCL5 /XLPE/ PVC  | 1x10 mm <sup>2</sup>  | 8,3                 | 123                 | 1,95  | 72                                     |
| TCL5 /XLPE/ PVC  | 2x2,5 mm <sup>2</sup> | 9,7                 | 105                 | 8,21  | 26                                     |
| TCL5 /XLPE/ PVC  | 2x4 mm <sup>2</sup>   | 10,8                | 144                 | 5,09  | 34                                     |

(\*) For explanation of coding refer to Technical Data Section

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|-------------------|----------------------|---------------------|---------------------|---|--|
| TCL5 /XLPE / PVC  | 2x4 mm <sup>2</sup>  | 10,8                | 144                 | 5,09  | 34                                     |
| TCL5 /XLPE / PVC  | 2x6 mm <sup>2</sup>  | 11,9                | 190                 | 3,39  | 44                                     |
| TCL5 /XLPE / PVC  | 2x10 mm <sup>2</sup> | 16,3                | 343                 | 1,95  | 61                                     |
| TAWGB /XLPE / PE  | 1x12 AWG             | 5,3                 | 48                  | 5,54  | 36                                     |
| TAWGB /XLPE / PE  | 1x10 AWG             | 5,9                 | 69                  | 3,48  | 48                                     |
| TAWGB /XLPE / PE  | 1x8 AWG              | 7,6                 | 110                 | 2,18  | 64                                     |
| TAWGB /XLPE / PE  | 1x6 AWG              | 8,5                 | 160                 | 1,38  | 86                                     |
| TAWGB /XLPE / PE  | 2x12 AWG             | 10,7                | 137                 | 5,54  | 30                                     |
| TAWGB /XLPE / PE  | 2x10 AWG             | 11,9                | 188                 | 3,48  | 40                                     |
| TAWGB /XLPE / PE  | 2x8 AWG              | 16,0                | 321                 | 2,18  | 54                                     |
| TAWGB /XLPE / PE  | 2x6 AWG              | 17,9                | 447                 | 1,38  | 72                                     |
| TAWGC /XLPE / PE  | 1x12 AWG             | 5,4                 | 488                 | 5,63  | 72                                     |
| TAWGC /XLPE / PE  | 1x10 AWG             | 6,0                 | 69                  | 3,48  | 36                                     |
| TAWGC /XLPE / PE  | 1x8 AWG              | 7,6                 | 110                 | 2,18  | 64                                     |
| TAWGC /XLPE / PE  | 1x6 AWG              | 9,0                 | 167                 | 1,38  | 86                                     |
| TAWGC /XLPE / PE  | 2x12 AWG             | 10,7                | 137                 | 5,63  | 30                                     |
| TAWGC /XLPE / PE  | 2x10 AWG             | 12,0                | 190                 | 3,48  | 40                                     |
| TAWGC /XLPE / PE  | 2x8 AWG              | 16,1                | 323                 | 2,18  | 54                                     |
| TAWGC /XLPE / PE  | 2x6 AWG              | 18,0                | 451                 | 1,38  | 72                                     |
| TAWGB /XLPE / PVC | 1x12 AWG             | 5,3                 | 53                  | 5,54  | 36                                     |
| TAWGB /XLPE / PVC | 1x10 AWG             | 5,9                 | 74                  | 3,48  | 48                                     |
| TAWGB /XLPE / PVC | 1x8 AWG              | 7,6                 | 116                 | 2,18  | 64                                     |
| TAWGB /XLPE / PVC | 1x6 AWG              | 8,5                 | 168                 | 1,38  | 86                                     |
| TAWGB /XLPE / PVC | 2x12 AWG             | 10,7                | 168                 | 5,54  | 30                                     |
| TAWGB /XLPE / PVC | 2x10 AWG             | 11,9                | 225                 | 3,48  | 40                                     |
| TAWGB /XLPE / PVC | 2x8 AWG              | 16,0                | 388                 | 2,18  | 54                                     |
| TAWGB /XLPE / PVC | 2x6 AWG              | 17,9                | 529                 | 1,38  | 72                                     |
| TAWGC /XLPE / PVC | 1x12 AWG             | 5,4                 | 53                  | 5,63  | 36                                     |
| TAWGC /XLPE / PVC | 1x10 AWG             | 6,0                 | 74                  | 3,48  | 48                                     |
| TAWGC /XLPE / PVC | 1x8 AWG              | 7,6                 | 117                 | 2,18  | 64                                     |
| TAWGC /XLPE / PVC | 1x6 AWG              | 9,0                 | 178                 | 1,38  | 86                                     |
| TAWGC /XLPE / PVC | 2x12 AWG             | 10,7                | 168                 | 5,63  | 30                                     |
| TAWGC /XLPE / PVC | 2x10 AWG             | 12,0                | 227                 | 3,48  | 40                                     |
| TAWGC /XLPE / PVC | 2x8 AWG              | 16,1                | 391                 | 2,18  | 54                                     |
| TAWGC /XLPE / PVC | 2x6 AWG              | 18,0                | 533                 | 1,38  | 72                                     |

(\*) For explanation of coding refer to Technical Data Section