

CONDUCTOR RANGE OF ALUMINIUM WEDGTAP CONNECTORS



For conductor combinations that are not listed in Pages 4-6 or where the conductor identities are uncertain use the following procedure to determine which is the most suitable WEDGTAP, see Table 1.

To use Table 1, apply the following steps:

1. Obtain the diameter of each conductor (main & tap) and refer to columns A & B
2. Add the two diameters together and refer to column C
3. Where the conductor dimensions in columns A, B & C line up horizontally, read across for the appropriate WEDGTAP in column D

EXAMPLE

1. Main: 50mm² ACSR Diameter: 10.1mm
Tap: 25mm² ACSR Diameter: 7.1mm
These individual diameters can be accommodated across a number of rows.
2. Added together the combined diameter is 17.2mm
This brings the options down to three alternatives: WG29A-S, WG11A-MH or WG04A-M
3. Where there is a selection try the smaller one first, in this case WG29A-S

TABLE 1

| Diameter of Main Conductor (mm) | | Diameter of Tap Conductor (mm) | | Combined Diameters (mm) | | WEDGTAP Catalogue Number |
|---------------------------------|-------|--------------------------------|-------|-------------------------|-------|--------------------------|
| A | | B | | C | | D |
| MIN | MAX | MIN | MAX | MIN | MAX | |
| 4.11 | 6.55 | 5.18 | 8.28 | 10.41 | 13.46 | WG32A-S |
| 6.52 | 10.11 | 5.23 | 8.28 | 13.11 | 16.66 | WG30A-S |
| 6.52 | 10.11 | 6.52 | 10.11 | 14.83 | 18.36 | WG29A-S |
| 7.60 | 14.73 | 4.50 | 7.60 | 14.00 | 17.00 | WG10A-MH |
| 7.60 | 14.73 | 4.50 | 7.60 | 17.01 | 19.85 | WG11A-MH |
| 5.67 | 12.92 | 5.67 | 12.92 | 16.70 | 18.59 | WG04A-M |
| 5.67 | 14.73 | 5.67 | 14.73 | 18.60 | 22.00 | WG1A-M |
| 7.28 | 14.73 | 7.28 | 14.73 | 22.01 | 25.79 | WG2A-M |
| 11.07 | 14.73 | 11.07 | 14.73 | 25.80 | 28.35 | WG3A-M |
| 9.90 | 17.10 | 9.90 | 17.10 | 25.00 | 27.00 | WG1A-L |
| 9.90 | 19.10 | 9.90 | 19.10 | 27.01 | 29.00 | WG2A-L |
| 9.90 | 21.00 | 9.90 | 21.00 | 29.01 | 31.00 | WG3A-L |
| 10.01 | 21.00 | 10.01 | 21.00 | 31.01 | 33.00 | WG4A-L |
| 12.01 | 21.00 | 12.01 | 21.00 | 33.01 | 35.00 | WG5A-L |
| 14.01 | 21.00 | 14.01 | 21.00 | 35.01 | 37.00 | WG6A-L |
| 16.01 | 21.00 | 16.01 | 21.00 | 37.01 | 39.10 | WG7A-L |
| 18.01 | 21.00 | 18.01 | 21.00 | 39.11 | 41.10 | WG8A-L |
| 20.01 | 21.00 | 20.01 | 21.00 | 41.11 | 42.20 | WG9A-L |

WEDGTAP Kits for bi-metal connections, where the tap conductor is copper, are also available. Refer to Pages 11 & 12.