

# COPPER CONDUCTOR CABLES

## ◆CONTROL CABLES◆

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## CVV or CVV-S

| Number of core | Nominal cross sectional area (mm <sup>2</sup> ) | Number and diameter of wire (mm) | Diameter of conductor approx. (mm) | Insulation thickness nominal (mm) | Sheath thickness nominal (mm) | Overall diameter approx. (mm) | Conductor resistance at 20° C maximum (Ω/km) | Insulation resistance at 70° C minimum (MΩ·km) | Cable weight approx. (kg/km) | Standard length (m) |
|----------------|-------------------------------------------------|----------------------------------|------------------------------------|-----------------------------------|-------------------------------|-------------------------------|----------------------------------------------|------------------------------------------------|------------------------------|---------------------|
| 4              | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.2                           | 9.1                           | 39.0                                         | 0.0130                                         | 80                           | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.2                           | 9.6                           | 26.0                                         | 0.0114                                         | 95                           | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.2                           | 9.8                           | 19.5                                         | 0.0104                                         | 110                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.2                           | 10.5                          | 13.3                                         | 0.0089                                         | 140                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.2                           | 12.0                          | 7.98                                         | 0.0081                                         | 200                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.4                           | 14.5                          | 5.0                                          | 0.0076                                         | 300                          | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.4                           | 16.5                          | 3.30                                         | 0.0061                                         | 410                          | 300/D               |
| 5              | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.2                           | 9.8                           | 39.0                                         | 0.0130                                         | 90                           | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.2                           | 10.0                          | 26.0                                         | 0.0114                                         | 110                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.2                           | 10.5                          | 19.5                                         | 0.0104                                         | 130                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.2                           | 11.5                          | 13.3                                         | 0.0089                                         | 160                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 13.5                          | 7.98                                         | 0.0081                                         | 250                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.4                           | 15.5                          | 4.95                                         | 0.0076                                         | 350                          | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.4                           | 18.0                          | 3.30                                         | 0.0061                                         | 500                          | 300/D               |
| 6              | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.0                           | 10.5                          | 39.0                                         | 0.0130                                         | 110                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.2                           | 11.0                          | 26.0                                         | 0.0114                                         | 130                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.2                           | 11.5                          | 19.5                                         | 0.0104                                         | 150                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.2                           | 12.0                          | 13.3                                         | 0.0089                                         | 190                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 14.5                          | 7.98                                         | 0.0081                                         | 290                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.4                           | 17.0                          | 5.0                                          | 0.0076                                         | 420                          | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.4                           | 19.5                          | 3.30                                         | 0.0061                                         | 600                          | 300/D               |
| 7              | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.2                           | 10.5                          | 39.0                                         | 0.0130                                         | 110                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.2                           | 11.0                          | 26.0                                         | 0.0114                                         | 140                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.2                           | 11.5                          | 19.5                                         | 0.0104                                         | 160                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.2                           | 12.0                          | 13.3                                         | 13.0000                                        | 210                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 14.5                          | 7.98                                         | 0.0081                                         | 320                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.4                           | 17.0                          | 4.95                                         | 0.0076                                         | 460                          | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.4                           | 19.5                          | 3.30                                         | 0.0061                                         | 650                          | 300/D               |
| 8              | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.2                           | 11.0                          | 39.0                                         | 0.0130                                         | 130                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.2                           | 11.5                          | 26.0                                         | 0.0114                                         | 160                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.2                           | 12.0                          | 19.5                                         | 0.0104                                         | 180                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 13.5                          | 13.3                                         | 0.0089                                         | 240                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 16.0                          | 7.98                                         | 0.0081                                         | 360                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.4                           | 18.5                          | 5.0                                          | 0.0076                                         | 550                          | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.4                           | 21.0                          | 3.30                                         | 0.0061                                         | 750                          | 300/D               |
| 9              | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.2                           | 12.0                          | 39.0                                         | 0.0130                                         | 150                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.2                           | 12.5                          | 26.0                                         | 0.0114                                         | 180                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 13.5                          | 19.5                                         | 0.0104                                         | 220                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 14.5                          | 13.3                                         | 0.0089                                         | 270                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 17.0                          | 7.98                                         | 0.0081                                         | 410                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.4                           | 20.0                          | 4.95                                         | 0.0076                                         | 600                          | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.4                           | 23.0                          | 3.30                                         | 0.0061                                         | 850                          | 300/D               |

D:Packing in drum

## CVV or CVV-S

| Number of core | Nominal cross sectional area (mm <sup>2</sup> ) | Number and diameter of wire (mm) | Diameter of conductor approx. (mm) | Insulation thickness nominal (mm) | Sheath thickness nominal (mm) | Overall diameter approx. (mm) | Conductor resistance at 20° C maximum (Ω/km) | Insulation resistance at 70° C minimum (MΩ·km) | Cable weight approx. (kg/km) | Standard length (m) |
|----------------|-------------------------------------------------|----------------------------------|------------------------------------|-----------------------------------|-------------------------------|-------------------------------|----------------------------------------------|------------------------------------------------|------------------------------|---------------------|
| 10             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.2                           | 12.5                          | 39.0                                         | 0.0130                                         | 150                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 14.0                          | 26.0                                         | 0.0114                                         | 210                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 14.5                          | 19.5                                         | 0.0104                                         | 240                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 15.5                          | 13.3                                         | 0.0089                                         | 310                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 18.0                          | 8.0                                          | 0.0081                                         | 460                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.4                           | 21.0                          | 4.95                                         | 0.0076                                         | 650                          | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 25.0                          | 3.30                                         | 0.0061                                         | 1,000                        | 300/D               |
| 11             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.2                           | 12.5                          | 39.0                                         | 0.0130                                         | 170                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 14.0                          | 26.0                                         | 0.0114                                         | 210                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 14.5                          | 19.5                                         | 0.0104                                         | 250                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 15.5                          | 13.3                                         | 0.0089                                         | 320                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 18.0                          | 8.0                                          | 0.0081                                         | 480                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.4                           | 21.0                          | 4.95                                         | 0.0076                                         | 700                          | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 25.0                          | 3.30                                         | 0.0061                                         | 1,100                        | 300/D               |
| 12             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.2                           | 13.0                          | 39.0                                         | 0.0130                                         | 180                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 14.5                          | 26.0                                         | 0.0114                                         | 220                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 15.0                          | 19.5                                         | 0.0104                                         | 280                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 16.0                          | 13.3                                         | 0.0089                                         | 350                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 19.0                          | 8.0                                          | 0.0081                                         | 550                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.4                           | 22.0                          | 4.95                                         | 0.0076                                         | 750                          | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 26.0                          | 3.30                                         | 0.0061                                         | 1,200                        | 300/D               |
| 13             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 14.0                          | 39.0                                         | 0.0130                                         | 200                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 15.0                          | 26.0                                         | 0.0114                                         | 250                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 15.5                          | 19.5                                         | 0.0104                                         | 290                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 17.0                          | 13.3                                         | 0.0089                                         | 370                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 20.0                          | 8.0                                          | 0.0081                                         | 550                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.4                           | 23.0                          | 4.95                                         | 0.0076                                         | 850                          | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 28.0                          | 3.30                                         | 0.0061                                         | 1,200                        | 300/D               |
| 14             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 14.0                          | 39.0                                         | 0.0130                                         | 210                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 15.0                          | 26.0                                         | 0.0114                                         | 250                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 15.5                          | 19.5                                         | 0.0104                                         | 300                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 17.0                          | 13.3                                         | 0.0089                                         | 390                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 20.0                          | 8.0                                          | 0.0081                                         | 600                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.4                           | 23.0                          | 4.95                                         | 0.0076                                         | 850                          | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 28.0                          | 3.30                                         | 0.0061                                         | 1,300                        | 300/D               |
| 15             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 14.5                          | 39.0                                         | 0.0130                                         | 220                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 15.5                          | 26.0                                         | 0.0114                                         | 270                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 16.0                          | 19.5                                         | 0.0104                                         | 320                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 17.5                          | 13.3                                         | 0.0089                                         | 420                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 21.0                          | 8.0                                          | 0.0081                                         | 650                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 25.0                          | 4.95                                         | 0.0076                                         | 950                          | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 29.0                          | 3.30                                         | 0.0061                                         | 1,400                        | 300/D               |

D:Packing in drum



## CVV or CVV-S

| Number of core | Nominal cross sectional area (mm <sup>2</sup> ) | Number and diameter of wire (mm) | Diameter of conductor approx. (mm) | Insulation thickness nominal (mm) | Sheath thickness nominal (mm) | Overall diameter approx. (mm) | Conductor resistance at 20° C maximum (Ω/km) | Insulation resistance at 70° C minimum (MΩ·km) | Cable weight approx. (kg/km) | Standard length (m) |
|----------------|-------------------------------------------------|----------------------------------|------------------------------------|-----------------------------------|-------------------------------|-------------------------------|----------------------------------------------|------------------------------------------------|------------------------------|---------------------|
| 16             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 15.0                          | 39.0                                         | 0.0130                                         | 230                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 15.5                          | 26.0                                         | 0.0114                                         | 280                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 16.0                          | 19.5                                         | 0.0104                                         | 340                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 17.5                          | 13.3                                         | 0.0089                                         | 430                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 21.0                          | 7.98                                         | 0.0081                                         | 650                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 25.0                          | 4.95                                         | 0.0076                                         | 1,000                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 29.0                          | 3.30                                         | 0.0061                                         | 1,400                        | 300/D               |
| 17             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 15.5                          | 39.0                                         | 0.0130                                         | 240                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 16.5                          | 26.0                                         | 0.0114                                         | 310                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 17.0                          | 19.5                                         | 0.0104                                         | 370                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 18.5                          | 13.3                                         | 0.0089                                         | 470                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 22.0                          | 7.98                                         | 0.0081                                         | 700                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 27.0                          | 4.95                                         | 0.0076                                         | 1,100                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 31.0                          | 3.30                                         | 0.0061                                         | 1,600                        | 300/D               |
| 18             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 15.5                          | 39.0                                         | 0.0130                                         | 250                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 16.5                          | 26.0                                         | 0.0114                                         | 310                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 17.0                          | 19.5                                         | 0.0104                                         | 370                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 18.5                          | 13.3                                         | 0.0089                                         | 470                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 22.0                          | 7.98                                         | 0.0081                                         | 700                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 27.0                          | 4.95                                         | 0.0076                                         | 1,100                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 31.0                          | 3.30                                         | 0.0061                                         | 1,600                        | 300/D               |
| 19             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 15.5                          | 39.0                                         | 0.0130                                         | 260                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 16.5                          | 26.0                                         | 0.0114                                         | 320                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 17.0                          | 19.5                                         | 0.0104                                         | 380                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 18.5                          | 13.3                                         | 0.0089                                         | 490                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 22.0                          | 7.98                                         | 0.0081                                         | 750                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 27.0                          | 4.95                                         | 0.0076                                         | 1,100                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 31.0                          | 3.30                                         | 0.0061                                         | 1,600                        | 300/D               |
| 20             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 16.0                          | 39.0                                         | 0.0130                                         | 270                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 17.0                          | 26.0                                         | 0.0114                                         | 330                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 17.5                          | 19.5                                         | 0.0104                                         | 400                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 19.0                          | 13.3                                         | 0.0089                                         | 500                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 23.0                          | 7.98                                         | 0.0081                                         | 800                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 28.0                          | 4.95                                         | 0.0076                                         | 1,200                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 32.0                          | 3.30                                         | 0.0061                                         | 1,700                        | 300/D               |
| 21             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 16.5                          | 39.0                                         | 0.0130                                         | 280                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 17.5                          | 26.0                                         | 0.0114                                         | 350                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 18.0                          | 19.5                                         | 0.0104                                         | 420                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 19.5                          | 13.3                                         | 0.0089                                         | 550                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.4                           | 23.0                          | 7.98                                         | 0.0081                                         | 800                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 28.0                          | 4.95                                         | 0.0076                                         | 1,300                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 32.0                          | 3.30                                         | 0.0061                                         | 1,800                        | 300/D               |

D:Packing in drum

## CVV or CVV-S

| Number of core | Nominal cross sectional area (mm <sup>2</sup> ) | Number and diameter of wire (mm) | Diameter of conductor approx. (mm) | Insulation thickness nominal (mm) | Sheath thickness nominal (mm) | Overall diameter approx. (mm) | Conductor resistance at 20° C maximum (Ω/km) | Insulation resistance at 70° C minimum (MΩ·km) | Cable weight approx. (kg/km) | Standard length (m) |
|----------------|-------------------------------------------------|----------------------------------|------------------------------------|-----------------------------------|-------------------------------|-------------------------------|----------------------------------------------|------------------------------------------------|------------------------------|---------------------|
| 22             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 17.0                          | 39.0                                         | 0.0130                                         | 300                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 18.0                          | 26.0                                         | 0.0114                                         | 370                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 18.5                          | 19.5                                         | 0.0104                                         | 450                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 20.0                          | 13.3                                         | 0.0089                                         | 550                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 25.0                          | 7.98                                         | 0.0081                                         | 900                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 30.0                          | 4.95                                         | 0.0076                                         | 1,300                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 34.0                          | 3.30                                         | 0.0061                                         | 1,900                        | 300/D               |
| 23             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 17.0                          | 39.0                                         | 0.0130                                         | 310                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 18.0                          | 26.0                                         | 0.0114                                         | 380                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 18.5                          | 19.5                                         | 0.0104                                         | 460                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 20.0                          | 13.3                                         | 0.0089                                         | 600                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 25.0                          | 7.98                                         | 0.0081                                         | 950                          | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 30.0                          | 4.95                                         | 0.0076                                         | 1,400                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 1.8                           | 34.0                          | 3.30                                         | 0.0061                                         | 2,000                        | 300/D               |
| 24             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 18.0                          | 39.0                                         | 0.0130                                         | 320                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 19.0                          | 26.0                                         | 0.0114                                         | 400                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 19.5                          | 19.5                                         | 0.0104                                         | 500                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 21.0                          | 13.3                                         | 0.0089                                         | 600                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 26.0                          | 7.98                                         | 0.0081                                         | 1,000                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 31.0                          | 4.95                                         | 0.0076                                         | 1,400                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 37.0                          | 3.30                                         | 0.0061                                         | 2,100                        | 300/D               |
| 25             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 18.0                          | 39.0                                         | 0.0130                                         | 330                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 19.0                          | 26.0                                         | 0.0114                                         | 410                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 19.5                          | 19.5                                         | 0.0104                                         | 490                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 21.0                          | 13.3                                         | 13.0000                                        | 650                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 26.0                          | 7.98                                         | 0.0081                                         | 1,000                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 31.0                          | 4.95                                         | 0.0076                                         | 1,500                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 37.0                          | 3.30                                         | 0.0061                                         | 2,200                        | 300/D               |
| 26             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 18.0                          | 39.0                                         | 0.0130                                         | 340                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 19.0                          | 26.0                                         | 0.0114                                         | 420                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 19.5                          | 19.5                                         | 0.0104                                         | 500                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 21.0                          | 13.3                                         | 0.0089                                         | 650                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 26.0                          | 7.98                                         | 0.0081                                         | 1,000                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 31.0                          | 4.95                                         | 0.0076                                         | 1,500                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 37.0                          | 3.30                                         | 0.0061                                         | 2,300                        | 300/D               |
| 27             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 18.5                          | 39.0                                         | 0.0130                                         | 340                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 19.5                          | 26.0                                         | 0.0114                                         | 430                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 20.0                          | 19.5                                         | 0.0104                                         | 500                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 22.0                          | 13.3                                         | 0.0089                                         | 650                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 27.0                          | 7.98                                         | 0.0081                                         | 1,100                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 32.0                          | 4.95                                         | 0.0076                                         | 1,600                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 38.0                          | 3.30                                         | 0.0061                                         | 2,400                        | 300/D               |

D:Packing in drum



## CVV or CVV-S

| Number of core | Nominal cross sectional area (mm <sup>2</sup> ) | Number and diameter of wire (mm) | Diameter of conductor approx. (mm) | Insulation thickness nominal (mm) | Sheath thickness nominal (mm) | Overall diameter approx. (mm) | Conductor resistance at 20° C maximum (Ω/km) | Insulation resistance at 70° C minimum (MΩ·km) | Cable weight approx. (kg/km) | Standard length (m) |
|----------------|-------------------------------------------------|----------------------------------|------------------------------------|-----------------------------------|-------------------------------|-------------------------------|----------------------------------------------|------------------------------------------------|------------------------------|---------------------|
| 28             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 19.0                          | 39.0                                         | 0.0130                                         | 370                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 20.0                          | 26.0                                         | 0.0114                                         | 460                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 21.0                          | 19.5                                         | 0.0104                                         | 550                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 23.0                          | 13.3                                         | 0.0089                                         | 700                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 28.0                          | 7.98                                         | 0.0081                                         | 1,100                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 33.0                          | 4.95                                         | 0.0076                                         | 1,700                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 39.0                          | 3.30                                         | 0.0061                                         | 2,500                        | 300/D               |
| 29             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 19.0                          | 39.0                                         | 0.0130                                         | 370                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 20.0                          | 26.0                                         | 0.0114                                         | 460                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 21.0                          | 19.5                                         | 0.0104                                         | 550                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 23.0                          | 13.3                                         | 0.0089                                         | 700                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 28.0                          | 7.98                                         | 0.0081                                         | 1,100                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 33.0                          | 4.95                                         | 0.0076                                         | 1,700                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 39.0                          | 3.30                                         | 0.0061                                         | 2,500                        | 300/D               |
| 30             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 19.0                          | 39.0                                         | 0.0130                                         | 370                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 20.0                          | 26.0                                         | 0.0114                                         | 470                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 21.0                          | 19.5                                         | 0.0104                                         | 550                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.4                           | 23.0                          | 13.3                                         | 0.0089                                         | 750                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 28.0                          | 7.98                                         | 0.0081                                         | 1,200                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 33.0                          | 4.95                                         | 0.0076                                         | 1,700                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 39.0                          | 3.30                                         | 0.0061                                         | 2,600                        | 300/D               |
| 31             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 19.5                          | 39.0                                         | 0.0130                                         | 400                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 21.0                          | 26.0                                         | 0.0114                                         | 500                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 22.0                          | 19.5                                         | 0.0104                                         | 600                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 24.0                          | 13.3                                         | 0.0089                                         | 850                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 29.0                          | 7.98                                         | 0.0081                                         | 1,300                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 34.0                          | 4.95                                         | 0.0076                                         | 1,800                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 41.0                          | 3.30                                         | 0.0061                                         | 2,700                        | 300/D               |
| 32             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 19.5                          | 39.0                                         | 0.0130                                         | 400                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 21.0                          | 26.0                                         | 0.0114                                         | 500                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 22.0                          | 19.5                                         | 0.0104                                         | 600                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 24.0                          | 13.3                                         | 0.0089                                         | 850                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 29.0                          | 7.98                                         | 0.0081                                         | 1,300                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 34.0                          | 4.95                                         | 0.0076                                         | 1,900                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 41.0                          | 3.30                                         | 0.0061                                         | 2,800                        | 300/D               |
| 33             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 19.5                          | 39.0                                         | 0.0130                                         | 400                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 21.0                          | 26.0                                         | 0.0114                                         | 500                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 22.0                          | 19.5                                         | 0.0104                                         | 600                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 24.0                          | 13.3                                         | 0.0089                                         | 850                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 29.0                          | 7.98                                         | 0.0081                                         | 1,300                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 1.8                           | 34.0                          | 4.95                                         | 0.0076                                         | 1,900                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 41.0                          | 3.30                                         | 0.0061                                         | 2,800                        | 300/D               |

D:Packing in drum

## CVV or CVV-S

| Number of core | Nominal cross sectional area (mm <sup>2</sup> ) | Number and diameter of wire (mm) | Diameter of conductor approx. (mm) | Insulation thickness nominal (mm) | Sheath thickness nominal (mm) | Overall diameter approx. (mm) | Conductor resistance at 20° C maximum (Ω/km) | Insulation resistance at 70° C minimum (MΩ·km) | Cable weight approx. (kg/km) | Standard length (m) |
|----------------|-------------------------------------------------|----------------------------------|------------------------------------|-----------------------------------|-------------------------------|-------------------------------|----------------------------------------------|------------------------------------------------|------------------------------|---------------------|
| 34             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 20.0                          | 39.0                                         | 0.0130                                         | 430                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 21.0                          | 26.0                                         | 0.0114                                         | 550                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 22.0                          | 19.5                                         | 0.0104                                         | 650                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 25.0                          | 13.3                                         | 0.0089                                         | 900                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 30.0                          | 7.98                                         | 0.0081                                         | 1,400                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 37.0                          | 4.95                                         | 0.0076                                         | 2,100                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 42.0                          | 3.30                                         | 0.0061                                         | 3,000                        | 300/D               |
| 35             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 20.0                          | 39.0                                         | 0.0130                                         | 430                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 21.0                          | 26.0                                         | 0.0114                                         | 550                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 22.0                          | 19.5                                         | 0.0104                                         | 650                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 25.0                          | 13.3                                         | 0.0089                                         | 900                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 30.0                          | 7.98                                         | 0.0081                                         | 1,400                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 37.0                          | 4.95                                         | 0.0076                                         | 2,100                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 42.0                          | 3.30                                         | 0.0061                                         | 3,000                        | 300/D               |
| 36             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 20.0                          | 39.0                                         | 0.0130                                         | 440                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 21.0                          | 26.0                                         | 0.0114                                         | 550                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 22.0                          | 19.5                                         | 0.0104                                         | 650                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 25.0                          | 13.3                                         | 0.0089                                         | 900                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 30.0                          | 7.98                                         | 0.0081                                         | 1,400                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 37.0                          | 4.95                                         | 0.0076                                         | 2,100                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 42.0                          | 3.30                                         | 0.0061                                         | 3,100                        | 300/D               |
| 37             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 20.0                          | 39.0                                         | 0.0130                                         | 450                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 21.0                          | 26.0                                         | 0.0114                                         | 550                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 22.0                          | 19.5                                         | 0.0104                                         | 700                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 25.0                          | 13.3                                         | 13.0000                                        | 950                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 30.0                          | 7.98                                         | 0.0081                                         | 1,400                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 37.0                          | 4.95                                         | 0.0076                                         | 2,200                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 42.0                          | 3.30                                         | 0.0061                                         | 3,100                        | 300/D               |
| 38             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 21.0                          | 39.0                                         | 0.0130                                         | 460                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 22.0                          | 26.0                                         | 0.0114                                         | 600                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 23.0                          | 19.5                                         | 0.0104                                         | 700                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 26.0                          | 13.3                                         | 0.0089                                         | 950                          | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 31.0                          | 7.98                                         | 0.0081                                         | 1,500                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 38.0                          | 4.95                                         | 0.0076                                         | 2,200                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 44.0                          | 3.30                                         | 0.0061                                         | 3,300                        | 300/D               |
| 39             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 21.0                          | 39.0                                         | 0.0130                                         | 470                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 22.0                          | 26.0                                         | 0.0114                                         | 600                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 23.0                          | 19.5                                         | 0.0104                                         | 700                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 26.0                          | 13.3                                         | 0.0089                                         | 1,000                        | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 31.0                          | 7.98                                         | 0.0081                                         | 1,500                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 38.0                          | 4.95                                         | 0.0076                                         | 2,300                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 44.0                          | 3.30                                         | 0.0061                                         | 3,300                        | 300/D               |

D:Packing in drum



## CVV or CVV-S

| Number of core | Nominal cross sectional area (mm <sup>2</sup> ) | Number and diameter of wire (mm) | Diameter of conductor approx. (mm) | Insulation thickness nominal (mm) | Sheath thickness nominal (mm) | Overall diameter approx. (mm) | Conductor resistance at 20° C maximum (Ω/km) | Insulation resistance at 70° C minimum (MΩ·km) | Cable weight approx. (kg/km) | Standard length (m) |
|----------------|-------------------------------------------------|----------------------------------|------------------------------------|-----------------------------------|-------------------------------|-------------------------------|----------------------------------------------|------------------------------------------------|------------------------------|---------------------|
| 40             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 21.0                          | 39.0                                         | 0.0130                                         | 480                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 22.0                          | 26.0                                         | 0.0114                                         | 600                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.4                           | 23.0                          | 19.5                                         | 0.0104                                         | 750                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 26.0                          | 13.3                                         | 0.0089                                         | 1,000                        | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 31.0                          | 7.98                                         | 0.0081                                         | 1,500                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 38.0                          | 4.95                                         | 0.0076                                         | 2,300                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 44.0                          | 3.30                                         | 0.0061                                         | 3,400                        | 300/D               |
| 41             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 22.0                          | 39.0                                         | 0.0130                                         | 500                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 23.0                          | 26.0                                         | 0.0114                                         | 650                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.8                           | 25.0                          | 19.5                                         | 0.0104                                         | 800                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 27.0                          | 13.3                                         | 0.0089                                         | 1,000                        | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 33.0                          | 7.98                                         | 0.0081                                         | 1,600                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 40.0                          | 4.95                                         | 0.0076                                         | 2,400                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 46.0                          | 3.30                                         | 0.0061                                         | 3,500                        | 300/D               |
| 42             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 22.0                          | 39.0                                         | 0.0130                                         | 500                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 23.0                          | 26.0                                         | 0.0114                                         | 650                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.8                           | 25.0                          | 19.5                                         | 0.0104                                         | 800                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 27.0                          | 13.3                                         | 0.0089                                         | 1,100                        | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 33.0                          | 7.98                                         | 0.0081                                         | 1,600                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 40.0                          | 4.95                                         | 0.0076                                         | 2,500                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 46.0                          | 3.30                                         | 0.0061                                         | 3,600                        | 300/D               |
| 43             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 22.0                          | 39.0                                         | 0.0130                                         | 500                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 23.0                          | 26.0                                         | 0.0114                                         | 650                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.8                           | 25.0                          | 19.5                                         | 0.0104                                         | 850                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 27.0                          | 13.3                                         | 13.0000                                        | 1,100                        | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 33.0                          | 7.98                                         | 0.0081                                         | 1,600                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 40.0                          | 4.95                                         | 0.0076                                         | 2,500                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.2                           | 46.0                          | 3.30                                         | 0.0061                                         | 3,600                        | 300/D               |
| 44             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 22.0                          | 39.0                                         | 0.0130                                         | 550                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 24.0                          | 26.0                                         | 0.0114                                         | 650                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.8                           | 26.0                          | 19.5                                         | 0.0104                                         | 850                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 28.0                          | 13.3                                         | 0.0089                                         | 1,100                        | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 34.0                          | 7.98                                         | 0.0081                                         | 1,700                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 41.0                          | 4.95                                         | 0.0076                                         | 2,600                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.6                           | 48.0                          | 3.30                                         | 0.0061                                         | 3,800                        | 300/D               |
| 45             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 22.0                          | 39.0                                         | 0.0130                                         | 550                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 24.0                          | 26.0                                         | 0.0114                                         | 700                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.8                           | 26.0                          | 19.5                                         | 0.0104                                         | 850                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 28.0                          | 13.3                                         | 0.0089                                         | 1,100                        | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 34.0                          | 7.98                                         | 0.0081                                         | 1,700                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 41.0                          | 4.95                                         | 0.0076                                         | 2,600                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.6                           | 48.0                          | 3.30                                         | 0.0061                                         | 3,900                        | 300/D               |

D:Packing in drum



## CVV or CVV-S

| Number of core | Nominal cross sectional area (mm <sup>2</sup> ) | Number and diameter of wire (mm) | Diameter of conductor approx. (mm) | Insulation thickness nominal (mm) | Sheath thickness nominal (mm) | Overall diameter approx. (mm) | Conductor resistance at 20° C maximum (Ω/km) | Insulation resistance at 70° C minimum (MΩ-km) | Cable weight approx. (kg/km) | Standard length (m) |
|----------------|-------------------------------------------------|----------------------------------|------------------------------------|-----------------------------------|-------------------------------|-------------------------------|----------------------------------------------|------------------------------------------------|------------------------------|---------------------|
| 46             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 22.0                          | 39.0                                         | 0.0130                                         | 550                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 24.0                          | 26.0                                         | 0.0114                                         | 700                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.8                           | 26.0                          | 19.5                                         | 0.0104                                         | 900                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 28.0                          | 13.3                                         | 0.0089                                         | 1,100                        | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 34.0                          | 7.98                                         | 0.0081                                         | 1,800                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 41.0                          | 4.95                                         | 0.0076                                         | 2,700                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.6                           | 48.0                          | 3.30                                         | 0.0061                                         | 4,000                        | 300/D               |
| 47             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 22.0                          | 39.0                                         | 0.0130                                         | 550                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.4                           | 24.0                          | 26.0                                         | 0.0114                                         | 700                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.8                           | 26.0                          | 19.5                                         | 0.0104                                         | 900                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 28.0                          | 13.3                                         | 0.0089                                         | 1,200                        | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 34.0                          | 7.98                                         | 0.0081                                         | 1,800                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 41.0                          | 4.95                                         | 0.0076                                         | 2,700                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.6                           | 48.0                          | 3.30                                         | 0.0061                                         | 4,000                        | 300/D               |
| 48             | 0.50                                            | 16/0.20                          | 0.95                               | 0.6                               | 1.4                           | 23.0                          | 39.0                                         | 0.0130                                         | 550                          | 300/D               |
|                | 0.75                                            | 24/0.20                          | 1.15                               | 0.6                               | 1.8                           | 25.0                          | 26.0                                         | 0.0114                                         | 750                          | 300/D               |
|                | 1.0                                             | 32/0.20                          | 1.30                               | 0.6                               | 1.8                           | 26.0                          | 19.5                                         | 0.0104                                         | 900                          | 300/D               |
|                | 1.5                                             | 30/0.25                          | 1.60                               | 0.6                               | 1.8                           | 29.0                          | 13.3                                         | 0.0089                                         | 1,200                        | 300/D               |
|                | 2.5                                             | 50/0.25                          | 2.10                               | 0.7                               | 1.8                           | 34.0                          | 7.98                                         | 0.0081                                         | 1,800                        | 300/D               |
|                | 4.0                                             | 56/0.30                          | 2.60                               | 0.8                               | 2.2                           | 42.0                          | 4.95                                         | 0.0076                                         | 2,800                        | 300/D               |
|                | 6.0                                             | 84/0.30                          | 3.40                               | 0.8                               | 2.6                           | 49.0                          | 3.30                                         | 0.0061                                         | 4,100                        | 300/D               |

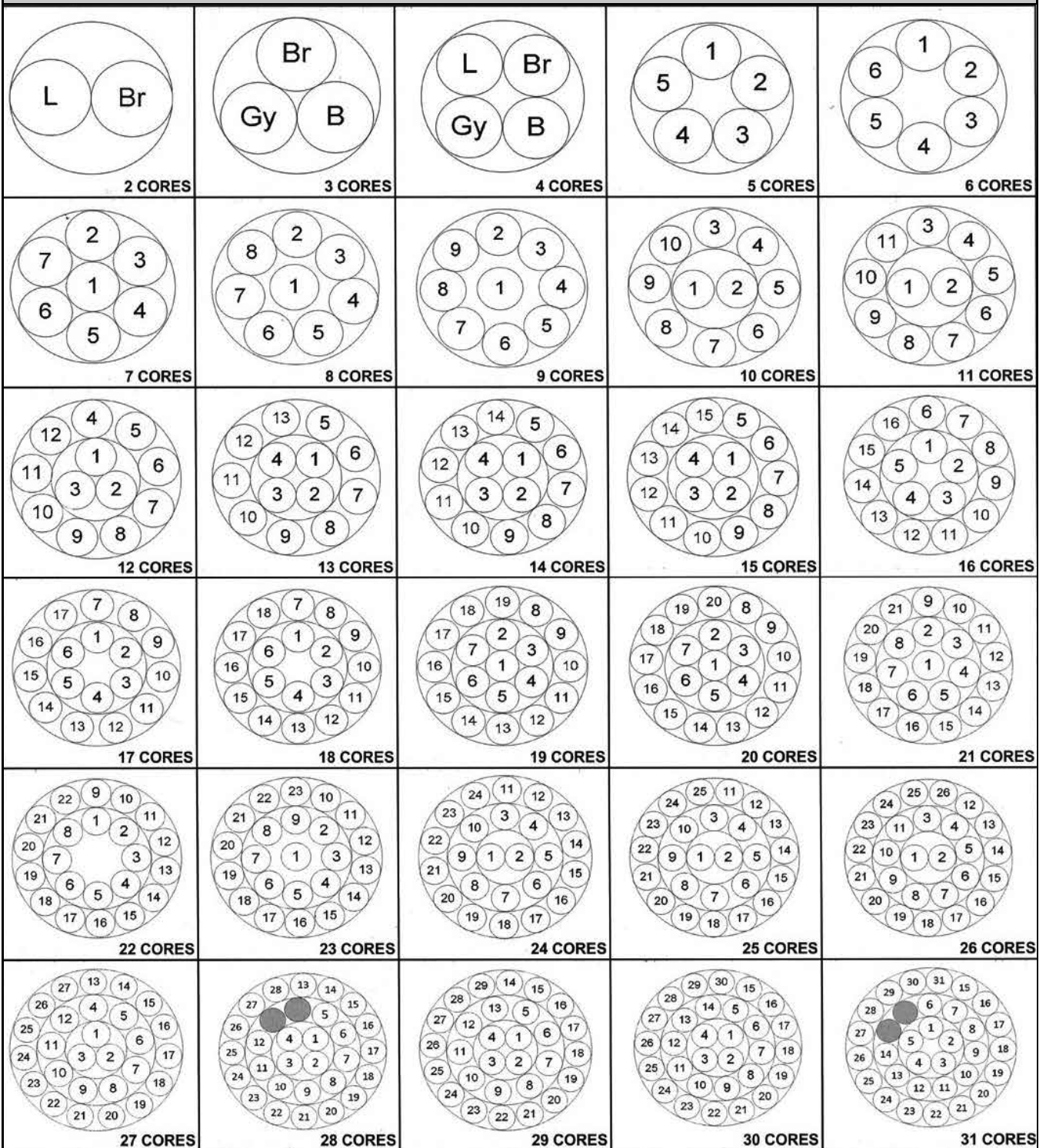
D:Packing in drum

This table show only flexible stranded conductor. If you want to have solid or concentric conductor type, please contact with our sales department for CVV-S : The overall diameter of cable and cable weight shall be change a little bit more.

\*Remark : Special protection can be produced.

# CVV or CVV-S

## ARRANGEMENT OF CORES FOR CVV or CVV-S

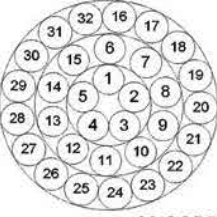
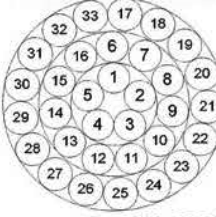
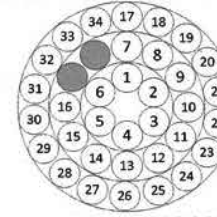
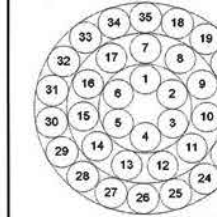
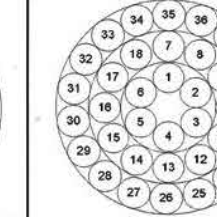
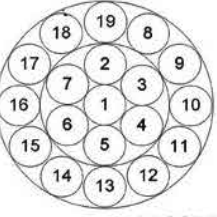
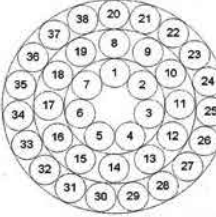
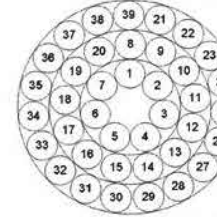
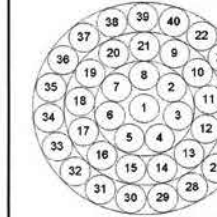
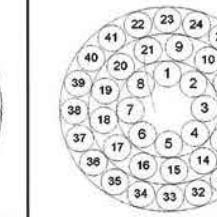
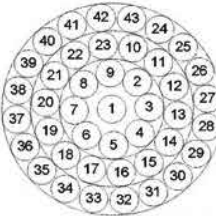
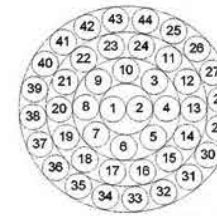
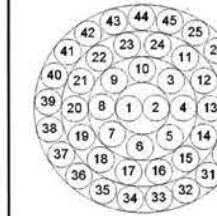
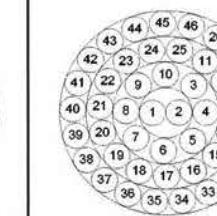


NOTE : Fillers are necessary to fill the cable a substantially circular cross section.

(If the stranded cores be circle enough, fillers shall not be necessary)

# CVV or CVV-S

## ARRANGEMENT OF CORES FOR CVV or CVV-S

|                                                                                                        |                                                                                                        |                                                                                                       |                                                                                                        |                                                                                                         |
|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <br><b>32 CORES</b>   | <br><b>33 CORES</b>   | <br><b>34 CORES</b>  | <br><b>35 CORES</b>  | <br><b>36 CORES</b>  |
| <br><b>37 CORES</b>   | <br><b>38 CORES</b>   | <br><b>39 CORES</b>  | <br><b>40 CORES</b>  | <br><b>41 CORES</b>  |
| <br><b>42 CORES</b>  | <br><b>43 CORES</b>  | <br><b>44 CORES</b> | <br><b>45 CORES</b> | <br><b>46 CORES</b> |
| <br><b>47 CORES</b> | <br><b>48 CORES</b> |                                                                                                       |                                                                                                        |                                                                                                         |

NOTE : Fillers are necessary to fill the cable a substantially circular cross section.

(If the stranded cores be circle enough, fillers shall not be necessary)