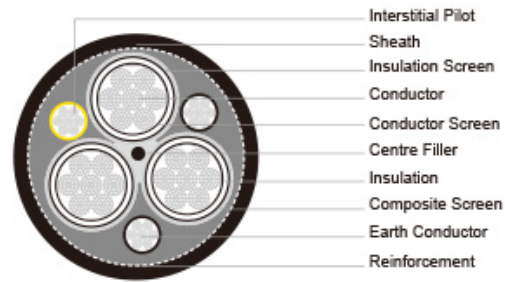


Type 450 3.3 to 33KV



| | |
|---------------------------------|--|
| Applications | These cables are suitable for supply of power to a wide range of applications, from dragline cable to slow reeling applications, where copper screened cable is required but light weight and smaller dimensions are also desired. |
| Standards | AS/NZS 2802:2000 AS/NZS 1125 AS/NZS 3808 AS/NZS 5000.1 |
| Construction | |
| 3xConductors | Flexible stranded tinned annealed copper conductor. |
| Conductor Screen | Semiconductive compound (for cables having a voltage rating of 3.3/3.3kV and above). |
| Insulation | EPR. |
| Insulation Screen | Semiconductive elastomer. |
| Composite Screen | Tinned annealed copper braiding interwove with polyester yarn, covered with semiconductive tape. |
| Filler | Elastomer centre filler. |
| 2xInterstitial Conductor | Earth CSP covered flexible stranded tinned copper conductor. |
| 1xInterstitial Pilot | EPR covered flexible stranded tinned copper conductor. |
| Textile Reinforcement | Open-weave braid reinforcement. |
| Sheath | Heavy duty PCP sheath. Heavy duty CPE/CSP sheath can be offered upon request. |

Dimensions and Weight

| Nominal Conductor Area | Strand Size | Insulation Thickness | Core Screen | | Pilot/Earth Conductor | | Thickness of Sheath | Nominal Overall Diameter | Nominal Weight |
|------------------------|-------------|----------------------|-------------|----------------|-----------------------|-----------------------|---------------------|--------------------------|----------------|
| | | | Strand Size | Area of Screen | Strand Size | Thickness of Covering | | | |
| | | | | | | | | | |

| mm ² | No/mm | mm | No/mm | mm ² | No/mm | mm | mm | mm | kg/100 m |
|--------------------------|--------------|-----|--------------|-----------------|--------------|-----|-----|------|-------------|
| Type 450.3 Class1 | | | | | | | | | |
| 16 | 126/0.4 0 | 2.2 | 128/0.2 5 | 6.3 | 120/0.3 0 | 1.4 | 4.5 | 42.8 | 266 |
| 25 | 209/0.4 0 | 2.2 | 118/0.3 0 | 8.3 | 120/0.3 0 | 1.4 | 4.8 | 46.9 | 338 |
| 35 | 285/0.4 0 | 2.2 | 127/0.3 0 | 9.0 | 120/0.3 0 | 1.4 | 5.1 | 50.3 | 392 |
| 50 | 380/0.4 0 | 2.4 | 141/0.3 0 | 10.0 | 183/0.3 0 | 1.4 | 5.6 | 55.5 | 487 |
| 70 | 203/0.6 7 | 2.4 | 117/0.4 0 | 14.7 | 54/0.67 | 1.4 | 6.0 | 61.1 | 637 |
| 95 | 259/0.6 7 | 2.4 | 123/0.4 0 | 15.5 | 70/0.67 | 1.6 | 6.3 | 64.3 | 734 |
| 120 | 336/0.6 7 | 2.4 | 135/0.4 0 | 17.0 | 84/0.67 | 1.6 | 6.4 | 69.0 | 867 |
| 150 | 427/0.6 7 | 2.4 | 144/0.4 0 | 18.1 | 112/0.6 7 | 1.6 | 6.6 | 73.3 | 1022 |
| 185 | 518/0.6 7 | 2.4 | 144/0.4 0 | 18.1 | 132/0.6 7 | 1.6 | 6.7 | 78.1 | 1175 |
| 240 | 672/0.6 7 | 2.4 | 136/0.5 0 | 26.7 | 168/0.6 7 | 1.6 | 6.9 | 84.5 | 1440 |
| 300 | 854/0.6 7 | 2.4 | 144/0.5 0 | 28.3 | 228/0.6 7 | 1.6 | 7.0 | 90.4 | 1741 |
| Type 450.6 Class1 | | | | | | | | | |
| 16 | 126/0.4 0 | 3.0 | 118/0.3 0 | 8.3 | 120/0.3 0 | 1.4 | 5.0 | 47.6 | 317 |
| 25 | 209/0.4 0 | 3.0 | 129/0.3 0 | 9.1 | 120/0.3 0 | 1.6 | 5.2 | 51.2 | 382 |
| 35 | 285/0.4 0 | 3.0 | 139/0.3 0 | 9.8 | 120/0.3 0 | 1.6 | 5.5 | 54.7 | 443 |
| 50 | 380/0.4 0 | 3.0 | 149/0.3 0 | 10.5 | 177/0.3 0 | 1.6 | 5.9 | 58.8 | 534 |
| 70 | 203/0.6 7 | 3.0 | 123/0.4 0 | 15.5 | 54/0.67 | 1.6 | 6.3 | 64.3 | 682 |
| 95 | 259/0.6 7 | 3.0 | 130/0.4 0 | 16.3 | 70/0.67 | 1.8 | 6.4 | 67.1 | 771 |
| 120 | 336/0.6 7 | 3.0 | 141/0.4 0 | 17.7 | 84/0.67 | 1.8 | 6.5 | 71.9 | 912 |

| | | | | | | | | | |
|---------------------------|--------------|-----|--------------|------|--------------|-----|-----|-------|------|
| 150 | 427/0.6 7 | 3.0 | 144/0.4 0 | 18.1 | 112/0.6 7 | 1.8 | 6.6 | 76.0 | 1073 |
| 185 | 518/0.6 7 | 3.0 | 144/0.4 0 | 18.1 | 132/0.6 7 | 1.8 | 6.8 | 80.9 | 1222 |
| 240 | 672/0.6 7 | 3.0 | 141/0.5 0 | 27.7 | 168/0.6 7 | 1.8 | 7.0 | 87.4 | 1502 |
| 300 | 854/0.6 7 | 3.0 | 144/0.5 0 | 28.3 | 228/0.6 7 | 1.8 | 7.1 | 93.2 | 1790 |
| Type 450.11 Class1 | | | | | | | | | |
| 25 | 209/0.4 0 | 5.0 | 120/0.4 0 | 15.1 | 120/0.3 0 | 2.0 | 6.3 | 62.8 | 542 |
| 35 | 285/0.4 0 | 5.0 | 127/0.4 0 | 16.0 | 120/0.3 0 | 2.0 | 6.4 | 65.8 | 601 |
| 50 | 380/0.4 0 | 5.0 | 135/0.4 0 | 17.0 | 183/0.3 0 | 2.0 | 6.5 | 69.3 | 692 |
| 70 | 203/0.6 7 | 5.0 | 144/0.4 0 | 18.1 | 54/0.67 | 2.0 | 6.6 | 73.8 | 826 |
| 95 | 259/0.6 7 | 5.0 | 144/0.4 0 | 18.1 | 70/0.67 | 2.2 | 6.7 | 76.6 | 926 |
| 120 | 336/0.6 7 | 5.0 | 144/0.4 0 | 18.1 | 84/0.67 | 2.2 | 6.9 | 81.6 | 1082 |
| 150 | 427/0.6 7 | 5.0 | 139/0.5 0 | 27.3 | 112/0.6 7 | 2.2 | 7.0 | 86.1 | 1263 |
| 185 | 518/0.6 7 | 5.0 | 144/0.5 0 | 28.3 | 132/0.6 7 | 2.2 | 7.1 | 90.8 | 1433 |
| 240 | 627/0.6 7 | 5.0 | 144/0.5 0 | 28.3 | 168/0.6 7 | 2.2 | 7.3 | 96.8 | 1690 |
| 300 | 854/0.6 7 | 5.0 | 144/0.5 0 | 28.3 | 228/0.6 7 | 2.2 | 7.4 | 102.7 | 2000 |
| Type 450.22 Class1 | | | | | | | | | |
| 35 | 285/0.4 0 | 7.6 | 144/0.4 0 | 18.1 | 120/0.3 0 | 2.5 | 6.8 | 78.4 | 805 |
| 50 | 380/0.4 0 | 7.6 | 144/0.4 0 | 18.1 | 183/0.3 0 | 2.5 | 6.9 | 81.8 | 900 |
| 70 | 203/0.6 7 | 7.6 | 140/0.5 0 | 27.5 | 54/0.67 | 2.5 | 7.0 | 86.8 | 1070 |
| 95 | 259/0.6 7 | 7.6 | 144/0.5 0 | 28.3 | 70/0.67 | 2.5 | 7.2 | 89.8 | 1180 |
| 120 | 336/0.6 7 | 7.6 | 144/0.5 0 | 28.3 | 84/0.67 | 2.5 | 7.3 | 94.5 | 1350 |

| | | | | | | | | | |
|---------------------------|--------------|------|--------------|------|--------------|-----|-----|-------|------|
| 150 | 427/0.6 7 | 7.6 | 144/0.5 0 | 28.3 | 112/0.6 7 | 2.5 | 7.4 | 98.6 | 1520 |
| 185 | 518/0.6 7 | 7.6 | 144/0.5 0 | 28.3 | 132/0.6 7 | 2.5 | 7.5 | 103.4 | 1700 |
| 240 | 627/0.6 7 | 7.6 | 144/0.5 0 | 28.3 | 168/0.6 7 | 2.5 | 7.7 | 109.4 | 1980 |
| 300 | 854/0.6 7 | 7.6 | 144/0.5 0 | 28.3 | 228/0.6 7 | 2.5 | 7.9 | 115.4 | 2310 |
| Type 450.33 Class1 | | | | | | | | | |
| 50 | 380/0.4 0 | 10.5 | 144/0.5 0 | 28.3 | 183/0.3 0 | 2.5 | 7.4 | 96.9 | 1222 |
| 70 | 203/0.6 7 | 10.5 | 144/0.5 0 | 28.3 | 54/0.67 | 2.5 | 7.5 | 101.4 | 1385 |
| 95 | 259/0.6 7 | 10.5 | 144/0.5 0 | 28.3 | 70/0.67 | 2.5 | 7.7 | 104.4 | 1505 |
| 120 | 336/0.6 7 | 10.5 | 144/0.5 0 | 28.3 | 84/0.67 | 2.5 | 7.8 | 109.2 | 1680 |
| 185 | 518/0.6 7 | 10.5 | 144/0.5 0 | 28.3 | 132/0.6 7 | 2.5 | 8.0 | 118.0 | 2060 |
| 240 | 627/0.6 7 | 10.5 | 144/0.5 0 | 28.3 | 168/0.6 7 | 2.5 | 8.2 | 124.0 | 2360 |
| 300 | 854/0.6 7 | 10.5 | 144/0.5 0 | 28.3 | 228/0.6 7 | 2.5 | 8.4 | 130.1 | 2710 |