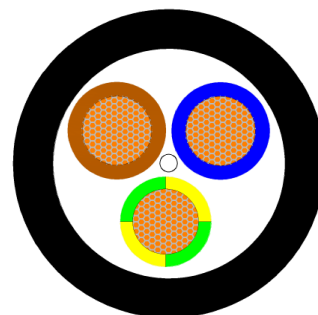
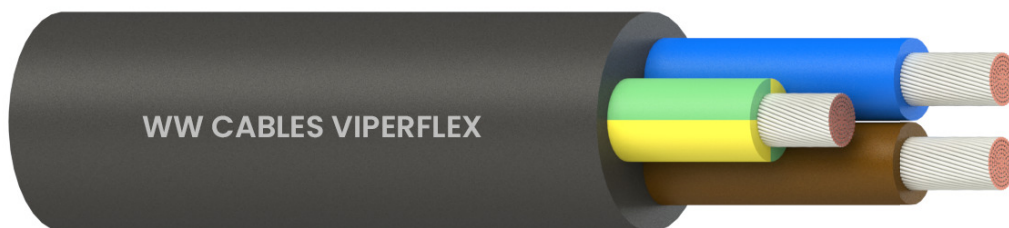




## 2C+E EPR Insulated H07 Submersible Rubber Cables 0.6/1kV, Flexible Cu



Note: The above drawing is for representation purpose only.

### Description

Conductor:

Insulation:

Sheath:

Class 5 Flexible Tinned Annealed Copper

EPR

CPE

### Core Identification

Brown, Blue, Green/Yellow

### Sheath Colour

Black

### Technical Data

Voltage Rating:

Operating Temperature:

Short Circuit Temperature:

0.6/1kV

-40°C to +90°C

250°C for 5 sec

### Standards Compliance

AS/NZS 5000.1

AS/NZS 3808

VDE 0293-308

AS/NZS 1125

AS/NZS 1660.5.6 (Equivalent to IEC 60332-1)

### Characteristics



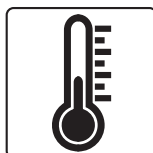
SUBMERSIBLE



FLAME RETARDANT



UV STABILISED



-40°C ~ +90°C



FLEXIBLE

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## 2C+E EPR Insulated H07 Submersible Rubber Cables 0.6/1kV, Flexible Cu

### Physical Characteristics

| WWC Product Code | Conductor Size (mm <sup>2</sup> ) | Conductor Diameter (mm) | Insulation Thickness (mm) | Earth Conductor Size (mm <sup>2</sup> ) | Approx. Overall Diameter (mm) | Min. Bending Radius (mm) |                    | Approx. Weight (kg/km) |
|------------------|-----------------------------------|-------------------------|---------------------------|---|-------------------------------|--------------------------|--------------------|------------------------|
|                  |                                   |                         |                           |   |                               | During Installation      | After Installation |                        |
| 3010ERTC         | 1                                 | 1.26                    | 1.0                       | 1                                       | 10.0                          | 79                       | 42                 | 130                    |
| 3015ERTC         | 1.5                               | 1.55                    | 1.0                       | 1.5                                     | 11.0                          | 86                       | 46                 | 160                    |
| 3025ERTC         | 2.5                               | 1.97                    | 1.0                       | 2.5                                     | 12.3                          | 96                       | 51                 | 231                    |
| 3040ERTC         | 4                                 | 2.54                    | 1.0                       | 4                                       | 13.7                          | 107                      | 57                 | 328                    |
| 3060ERTC         | 6                                 | 3.09                    | 1.0                       | 6                                       | 15.3                          | 119                      | 63                 | 430                    |
| *SM3100ERTC      | 10                                | 4.36                    | 1.2                       | 10                                      | 21.9                          | 172                      | 92                 | 748                    |
| *SM3160ERTC      | 16                                | 5.44                    | 1.2                       | 16                                      | 24.6                          | 192                      | 102                | 1035                   |
| *SM3250ERTC      | 25                                | 6.88                    | 1.4                       | 25                                      | 29.2                          | 227                      | 121                | 1516                   |
| *SM3350ERTC      | 35                                | 8.59                    | 1.4                       | 35                                      | 33.5                          | 263                      | 140                | 1963                   |
| *SM3500ERTC      | 50                                | 10.38                   | 1.6                       | 50                                      | 39.0                          | 304                      | 162                | 2705                   |
| *SM3700ERTC      | 70                                | 11.68                   | 1.6                       | 70                                      | 42.4                          | 333                      | 178                | 3558                   |
| *SM3950ERTC      | 95                                | 13.51                   | 1.8                       | 95                                      | 48.2                          | 377                      | 201                | 4721                   |
| *SM3120ERTC      | 120                               | 15.37                   | 1.8                       | 120                                     | 54.2                          | 422                      | 225                | 5757                   |
| *SM3150ERTC      | 150                               | 17.31                   | 2.0                       | 150                                     | 60.0                          | 473                      | 252                | 7127                   |
| *SM3185ERTC      | 185                               | 18.51                   | 2.2                       | 185                                     | 64.5                          | 506                      | 270                | 8712                   |
| *SM3240ERTC      | 240                               | 21.51                   | 2.4                       | 240                                     | 73.2                          | 572                      | 305                | 11119                  |
| *SM3300ERTC      | 300                               | 23.79                   | 2.6                       | 300                                     | 80.2                          | 632                      | 337                | 13733                  |

\*These cables are non-stocked items subject to lead times.

### Electrical Characteristics

| Conductor Size (mm <sup>2</sup> ) | *Current-carrying capacity (A) |                 |                    | Maximum D.C. Resistance of conductor at 20°C (Ω/km) | Reactance at 50Hz (Ω/km) |
|-----------------------------------|--------------------------------|-----------------|--------------------|---|--------------------------|
|                                   | In Air Touching                | In Air Enclosed | In Ground Enclosed |   |                          |
| 1                                 | 18                             | 16              | 20                 | 20.0  | 0.136                    |
| 1.5                               | 23                             | 20              | 25                 | 13.7  | 0.127                    |
| 2.5                               | 30                             | 27              | 33                 | 8.21  | 0.118                    |
| 4                                 | 40                             | 35              | 43                 | 5.09  | 0.108                    |
| 6                                 | 51                             | 44              | 54                 | 3.39  | 0.103                    |
| 10                                | 72                             | 62              | 74                 | 1.95  | 0.0936                   |
| 16                                | 96                             | 80              | 95                 | 1.24  | 0.0887                   |
| 25                                | 128                            | 106             | 124                | 0.795   | 0.0871                   |
| 35                                | 158                            | 129             | 150                | 0.565   | 0.0839                   |

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## 2C+E EPR Insulated H07 Submersible Rubber Cables 0.6/1kV, Flexible Cu

### Electrical Characteristics

| Conductor Size (mm <sup>2</sup> ) | †Current-carrying capacity (A) |                 |                    | Maximum D.C. Resistance of conductor at 20°C (Ω/km) | Reactance at 50Hz (Ω/km) |
|-----------------------------------|--------------------------------|-----------------|--------------------|---|--------------------------|
|                                   | In Air Touching                | In Air Enclosed | In Ground Enclosed |   |                          |
| 50                                | 199                            | 163             | 186                | 0.393   | 0.0832                   |
| 70                                | 251                            | 207             | 231                | 0.277   | 0.0800                   |
| 95                                | 300                            | 242             | 271                | 0.210   | 0.0796                   |
| 120                               | 355                            | 289             | 318                | 0.164   | 0.0774                   |
| 150                               | 408                            | 328             | 360                | 0.132   | 0.0775                   |
| 185                               | 464                            | 375             | 407                | 0.108   | 0.0771                   |
| 240                               | 554                            | 439             | 475                | 0.0817  | 0.0764                   |
| 300                               | 633                            | 511             | 544                | 0.0654  | 0.0761                   |

†Based on ambient air temperature of 40°C, soil temperature of 25°C, burial depth of 0.5m and soil thermal resistivity of 1.2K.m/W.

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