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2HR Fire Rated

Series: FR

Conductor: Copper Class 5

Insulation: X-HF-110

Sheath: HFS-110-TP

Fire Resista...Mica glass tape

Voltage: 0.6/1 kV

Standard: WS52W AS/NZS 1125, A

Specifications

| Core x cross-section<br>mm <sup>2</sup> | Min. Bending<br>Radius<br>mm | Nominal<br>insulation<br>thickness<br>mm | Nominal sheath<br>thickness<br>mm | Approx.<br>dia<br>mm |
|-----------------------------------------|------------------------------|------------------------------------------|-----------------------------------|----------------------|
| 1×10                                    | 0.40                         | 0.7                                      | 1.4                               | 1                    |
| 1×16                                    | 0.40                         | 0.7                                      | 1.4                               | 1                    |
| 1×25                                    | 0.40                         | 0.9                                      | 1.4                               | 1                    |
| 1×35                                    | 0.40                         | 0.9                                      | 1.4                               | 1                    |
| 1×50                                    | 0.40                         | 1.0                                      | 1.4                               | 1                    |
| 1×70                                    | 0.50                         | 1.1                                      | 1.4                               | 1                    |
| 1×95                                    | 0.50                         | 1.1                                      | 1.5                               | 1                    |
| 1×120                                   | 0.50                         | 1.2                                      | 1.5                               | 2                    |
| 1×150                                   | 0.50                         | 1.4                                      | 1.6                               | 2                    |
| 1×185                                   | 0.50                         | 1.6                                      | 1.6                               | 2                    |
| 1×240                                   | 0.50                         | 1.7                                      | 1.7                               | 2                    |
| 1×300                                   | 0.50                         | 1.8                                      | 1.8                               | 3                    |
| 1×400                                   | 0.50                         | 2.0                                      | 1.9                               | 3                    |
| 1×500                                   | 0.50                         | 2.2                                      | 2.0                               | 3                    |
| 1×630                                   | 0.50                         | 2.4                                      | 2.2                               | 4                    |

| Core x cross-section<br>mm <sup>2</sup> | Min. Bending<br>Radius<br>mm | Current Rating (A)                                                                  |                                                                                     |   |
|-----------------------------------------|------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|
|                                         |                              | underground                                                                         |                                                                                     |   |
|                                         |                              |  |  |   |
| 1×10                                    | 56                           | 90                                                                                  | 95                                                                                  | 1 |
| 1×16                                    | 62                           | 112                                                                                 | 121                                                                                 | 1 |
| 1×25                                    | 73                           | 144                                                                                 | 154                                                                                 | 1 |
| 1×35                                    | 80                           | 175                                                                                 | 184                                                                                 | 1 |
| 1×50                                    | 91                           | 215                                                                                 | 230                                                                                 | 1 |
| 1×70                                    | 103                          | 263                                                                                 | 277                                                                                 | 2 |
| 1×95                                    | 114                          | 309                                                                                 | 324                                                                                 | 2 |
| 1×120                                   | 125                          | 350                                                                                 | 375                                                                                 | 3 |
| 1×150                                   | 139                          | 401                                                                                 | 421                                                                                 | 3 |
| 1×185                                   | 152                          | 444                                                                                 | 473                                                                                 | 4 |
| 1×240                                   | 170                          | 519                                                                                 | 553                                                                                 | 4 |
| 1×300                                   | 188                          | 585                                                                                 | 624                                                                                 | 6 |
| 1×400                                   | 212                          | 673                                                                                 | 722                                                                                 | 7 |
| 1×500                                   | 236                          | 756                                                                                 | 820                                                                                 | 8 |
| 1×630                                   | 269                          | 858                                                                                 | 943                                                                                 | 9 |

in the air: when working temperature is 90°C and the ambient temperature is 40°C.

underground: when soil thermal resistivity is 1.0K·m/W, working temperature is 90°C and the ambient temperature is 25°C.

