



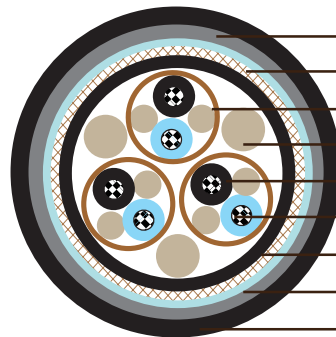
Water Blocked S1 or S1/S5 RFOU(i) 250V

Applications

These cables are partially water blocked, flame retardant, low smoke, halogen free and mud resistant, used for instrumentation, communication, control and alarm systems.

Standards

- IEC 60092-376
- IEC 60092-351
- IEC 60092-359
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1,2
- IEC 61034-1,2
- NEK 606:2004
- VG 95218 part 29



- SHF2/SHF MUD Inner Sheath
- Copper Wire Braid
- Copper/Polyester Tape + Drain Wire
- Water Blocking Fillers
- HFEPH Insulation
- Stranded Copper Conductor
- Halogen-free Bedding
- Water Blocking tape
- Polyurethane Outer Sheath

Construction

- **Conductors:** Circular tinned annealed stranded copper wire to IEC 60228 class 2.
- **Insulation:** Halogen free EPR compound.
- **Twinning:** Colour coded cores twisted together.
- **Filler:** Water blocking fillers, if required.
- **Individual Shielding:** Each pairs/triples are screened by copper backed polyester tape in contact with a stranded tinned copper drain wire and wrapped with polyester tape. Pairs/triples are numbered with numbered tape or by numbers printed directly on the insulated conductors.
- **Filler:** Water blocking fillers, if required.
- **Bedding:** Halogen free compound, PETP wrapping tape will be applied over the bedding, if required.
- **Armour:** Tinned copper wire braid, PETP wrapping tape will be applied over the braiding, if required.
- **Water Blocking Elements:** Water blocking tape and strings for providing longitudinal water tightness.
- **Inner Sheath:** Halogen free thermosetting compound, SHF2 (for TYPE S1). Halogen



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free MUD resistant thermosetting compound, SHF MUD (for TYPE S1/S5), coloured grey (blue for intrinsically safe).

- **Outer Sheath:** Polyurethane for providing transversal water tightness, PE is optional, but can not meet low smoke standard.

Electrical Characteristics

| | | | | | |
|----------------------------|-----------------|-------|-------|-------|-------|
| Nominal Cross Section Area | mm ² | 0.75 | 1.0 | 1.5 | 2.5 |
| Nominal Conductor Diameter | mm | 1.1 | 1.3 | 1.6 | 2.0 |
| Maximum Resistant@20 °C | Ω/km | 26.3 | 19.3 | 12.9 | 8.02 |
| Mutual Capacitance | nF/km | 90 | 100 | 110 | 120 |
| Nominal Inductance@1KHz | MH/km | 0.686 | 0.649 | 0.637 | 0.598 |
| Maximum L/R@1KHz | μH/Ω | 20 | 25 | 35 | 50 |
| Operating Voltage | V | 250 | 250 | 250 | 250 |

Mechanical and Thermal Properties

- **Bending Radius:** 8×OD (during installation); 6×OD (fixed installed)
- **Temperature Range:** -20°C ~ +90°C

Dimensions and Weight

| Construction No. of elements×No. of cores in element×Cross section(mm ²) | Nominal Insulation Thickness mm | Nominal Bedding Thickness mm | Nominal Inner Sheath Thickness mm | Nominal Outer Sheath Thickness mm | Nominal Overall Diameter mm | Nominal Weight kg/km |
|---|--|---------------------------------------|--|--|--------------------------------------|----------------------------|
| 1×2×0.75 | 0.6 | 1.1 | 1.1 | 1.0 | 12.9±2 | 221 |
| 2×2×0.75 | 0.6 | 1.1 | 1.3 | 1.0 | 15.2±2 | 341 |
| 4×2×0.75 | 0.6 | 1.1 | 1.3 | 1.0 | 18.2±2 | 504 |
| 7×2×0.75 | 0.6 | 1.1 | 1.4 | 1.0 | 21.0±2 | 704 |
| 8×2×0.75 | 0.6 | 1.1 | 1.4 | 1.0 | 22.4±2 | 793 |
| 9×2×0.75 | 0.6 | 1.1 | 1.5 | 1.0 | 24.6±2 | 877 |
| 10×2×0.75 | 0.6 | 1.1 | 1.5 | 1.0 | 25.5±2 | 919 |
| 12×2×0.75 | 0.6 | 1.1 | 1.5 | 1.0 | 26.1±2 | 1061 |
| 14×2×0.75 | 0.6 | 1.1 | 1.6 | 1.0 | 27.3±2 | 1092 |
| 15×2×0.75 | 0.6 | 1.1 | 1.6 | 1.0 | 28.9±2 | 1176 |
| 16×2×0.75 | 0.6 | 1.1 | 1.6 | 1.0 | 29.3±2 | 1223 |
| 18×2×0.75 | 0.6 | 1.1 | 1.7 | 1.0 | 30.7±2 | 1334 |
| 19×2×0.75 | 0.6 | 1.1 | 1.7 | 1.0 | 31.0±2 | 1428 |
| 20×2×0.75 | 0.6 | 1.1 | 1.7 | 1.0 | 32.1±2 | 1491 |
| 21×2×0.75 | 0.6 | 1.1 | 1.8 | 1.0 | 33.0±2 | 1565 |

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| Construction No. of elements×No. of cores in element×Cross section(mm ²) | Nominal Insulation Thickness mm | Nominal Bedding Thickness mm | Nominal Inner Sheath Thickness mm | Nominal Outer Sheath Thickness mm | Nominal Overall Diameter mm | Nominal Weight kg/km |
|---|--|---------------------------------------|--|--|--------------------------------------|----------------------------|
| 23×2×0.75 | 0.6 | 1.1 | 1.8 | 1.0 | 33.5±2 | 1675 |
| 24×2×0.75 | 0.6 | 1.2 | 1.8 | 1.0 | 35.4±2 | 1806 |
| 27×2×0.75 | 0.6 | 1.2 | 1.9 | 1.0 | 36.0±2 | 1859 |
| 30×2×0.75 | 0.6 | 1.2 | 1.9 | 1.0 | 37.1±2 | 2006 |
| 32×2×0.75 | 0.6 | 1.2 | 2.0 | 1.0 | 38.1±2 | 2163 |
| 33×2×0.75 | 0.6 | 1.2 | 2.0 | 1.0 | 38.9±2 | 2268 |
| 37×2×0.75 | 0.6 | 1.2 | 2.0 | 1.0 | 40.0±2 | 2447 |
| 1×3×0.75 | 0.6 | 1.1 | 1.2 | 1.0 | 13.3±2 | 236 |
| 2×3×0.75 | 0.6 | 1.1 | 1.3 | 1.0 | 18.4±2 | 515 |
| 3×3×0.75 | 0.6 | 1.1 | 1.4 | 1.0 | 19.2±2 | 546 |
| 4×3×0.75 | 0.6 | 1.1 | 1.4 | 1.0 | 20.5±2 | 641 |
| 5×3×0.75 | 0.6 | 1.1 | 1.5 | 1.0 | 21.8±2 | 756 |
| 6×3×0.75 | 0.6 | 1.1 | 1.5 | 1.0 | 23.7±2 | 877 |
| 7×3×0.75 | 0.6 | 1.1 | 1.5 | 1.0 | 23.7±2 | 914 |
| 8×3×0.75 | 0.6 | 1.1 | 1.6 | 1.0 | 25.5±2 | 998 |
| 9×3×0.75 | 0.6 | 1.1 | 1.6 | 1.0 | 26.6±2 | 1118 |
| 10×3×0.75 | 0.6 | 1.1 | 1.7 | 1.0 | 28.4±2 | 1150 |
| 12×3×0.75 | 0.6 | 1.1 | 1.7 | 1.0 | 29.3±2 | 1339 |
| 14×3×0.75 | 0.6 | 1.1 | 1.8 | 1.0 | 30.5±2 | 1386 |
| 15×3×0.75 | 0.6 | 1.1 | 1.8 | 1.0 | 31.3±2 | 1465 |
| 16×3×0.75 | 0.6 | 1.1 | 1.8 | 1.0 | 32.1±2 | 1538 |
| 18×3×0.75 | 0.6 | 1.1 | 1.9 | 1.0 | 33.6±2 | 1680 |
| 19×3×0.75 | 0.6 | 1.1 | 1.9 | 1.0 | 33.9±2 | 1738 |
| 20×3×0.75 | 0.6 | 1.2 | 2.0 | 1.0 | 35.2±2 | 1911 |
| 21×3×0.75 | 0.6 | 1.2 | 2.0 | 1.0 | 35.8±2 | 1985 |
| 23×3×0.75 | 0.6 | 1.2 | 2.0 | 1.0 | 37.1±2 | 2153 |
| 24×3×0.75 | 0.6 | 1.2 | 2.0 | 1.0 | 38.0±2 | 2331 |
| 27×3×0.75 | 0.6 | 1.2 | 2.1 | 1.0 | 39.9±2 | 2452 |
| 30×3×0.75 | 0.6 | 1.2 | 2.2 | 1.0 | 41.7±2 | 2683 |
| 32×3×0.75 | 0.6 | 1.2 | 2.2 | 1.0 | 42.7±2 | 2825 |
| 1×2×1.0 | 0.6 | 1.1 | 1.2 | 1.0 | 13.4±2 | 242 |
| 2×2×1.0 | 0.6 | 1.1 | 1.3 | 1.0 | 16.5±2 | 389 |
| 3×2×1.0 | 0.6 | 1.1 | 1.3 | 1.0 | 18.6±2 | 541 |
| 4×2×1.0 | 0.6 | 1.1 | 1.4 | 1.0 | 19.4±2 | 625 |
| 5×2×1.0 | 0.6 | 1.1 | 1.4 | 1.0 | 21.1±2 | 719 |
| 6×2×1.0 | 0.6 | 1.1 | 1.5 | 1.0 | 22.7±2 | 830 |
| 7×2×1.0 | 0.6 | 1.1 | 1.5 | 1.0 | 22.7±2 | 861 |
| 8×2×1.0 | 0.6 | 1.1 | 1.6 | 1.0 | 23.6±2 | 919 |
| 9×2×1.0 | 0.6 | 1.1 | 1.6 | 1.0 | 25.8±2 | 1045 |
| 10×2×1.0 | 0.6 | 1.1 | 1.6 | 1.0 | 26.8±2 | 1061 |



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| Construction No. of elements×No. of cores in element×Cross section(mm ²) | Nominal Insulation Thickness mm | Nominal Bedding Thickness mm | Nominal Inner Sheath Thickness mm | Nominal Outer Sheath Thickness mm | Nominal Overall Diameter mm | Nominal Weight kg/km |
|---|--|---------------------------------------|--|--|--------------------------------------|----------------------------|
| 12×2×1.0 | 0.6 | 1.1 | 1.7 | 1.0 | 27.6±2 | 1255 |
| 14×2×1.0 | 0.6 | 1.1 | 1.7 | 1.0 | 28.7±2 | 1271 |
| 15×2×1.0 | 0.6 | 1.1 | 1.8 | 1.0 | 30.5±2 | 1386 |
| 16×2×1.0 | 0.6 | 1.1 | 1.8 | 1.0 | 31.0±2 | 1444 |
| 18×2×1.0 | 0.6 | 1.1 | 1.9 | 1.0 | 32.5±2 | 1575 |
| 19×2×1.0 | 0.6 | 1.1 | 1.9 | 1.0 | 32.8±2 | 1633 |
| 20×2×1.0 | 0.6 | 1.1 | 1.9 | 1.0 | 33.9±2 | 1764 |
| 21×2×1.0 | 0.6 | 1.2 | 2.0 | 1.0 | 35.3±2 | 1880 |
| 23×2×1.0 | 0.6 | 1.2 | 2.0 | 1.0 | 35.7±2 | 2016 |
| 24×2×1.0 | 0.6 | 1.2 | 2.0 | 1.0 | 37.2±2 | 2116 |
| 27×2×1.0 | 0.6 | 1.2 | 2.1 | 1.0 | 38.5±2 | 2294 |
| 30×2×1.0 | 0.6 | 1.2 | 2.1 | 1.0 | 39.7±2 | 2483 |
| 33×2×1.0 | 0.6 | 1.2 | 2.2 | 1.0 | 41.2±2 | 2699 |
| 37×2×1.0 | 0.6 | 1.2 | 2.2 | 1.0 | 42.4±2 | 2914 |
| 1×3×1.0 | 0.6 | 1.1 | 1.2 | 1.0 | 13.8±2 | 263 |
| 2×3×1.0 | 0.6 | 1.1 | 1.4 | 1.0 | 19.3±2 | 583 |
| 3×3×1.0 | 0.6 | 1.1 | 1.4 | 1.0 | 19.9±2 | 620 |
| 4×3×1.0 | 0.6 | 1.1 | 1.4 | 1.0 | 21.4±2 | 735 |
| 5×3×1.0 | 0.6 | 1.1 | 1.5 | 1.0 | 22.7±2 | 866 |
| 6×3×1.0 | 0.6 | 1.1 | 1.6 | 1.0 | 25.0±2 | 1024 |
| 7×3×1.0 | 0.6 | 1.1 | 1.6 | 1.0 | 25.0±2 | 1040 |
| 8×3×1.0 | 0.6 | 1.1 | 1.6 | 1.0 | 26.4±2 | 1150 |
| 9×3×1.0 | 0.6 | 1.1 | 1.7 | 1.0 | 28.4±2 | 1307 |
| 10×3×1.0 | 0.6 | 1.1 | 1.8 | 1.0 | 30.0±2 | 1328 |
| 12×3×1.0 | 0.6 | 1.1 | 1.8 | 1.0 | 30.9±2 | 1575 |
| 14×3×1.0 | 0.6 | 1.1 | 1.8 | 1.0 | 32.0±2 | 1622 |
| 15×3×1.0 | 0.6 | 1.1 | 1.9 | 1.0 | 33.1±2 | 1738 |
| 16×3×1.0 | 0.6 | 1.1 | 1.9 | 1.0 | 33.8±2 | 1964 |
| 18×3×1.0 | 0.6 | 1.2 | 2.0 | 1.0 | 35.9±2 | 2032 |
| 19×3×1.0 | 0.6 | 1.2 | 2.0 | 1.0 | 36.2±2 | 2142 |
| 20×3×1.0 | 0.6 | 1.2 | 2.0 | 1.0 | 37.1±2 | 2258 |
| 21×3×1.0 | 0.6 | 1.2 | 2.1 | 1.0 | 37.9±2 | 2357 |
| 23×3×1.0 | 0.6 | 1.2 | 2.1 | 1.0 | 39.6±2 | 2651 |
| 24×3×1.0 | 0.6 | 1.2 | 2.1 | 1.0 | 40.7±2 | 2819 |
| 27×3×1.0 | 0.6 | 1.2 | 2.2 | 1.0 | 42.3±2 | 2924 |
| 30×3×1.0 | 0.6 | 1.2 | 2.3 | 1.0 | 44.1±2 | 3203 |
| 32×3×1.0 | 0.6 | 1.2 | 2.3 | 1.0 | 45.2±2 | 3376 |
| 1×2×1.5 | 0.7 | 1.1 | 1.2 | 1.0 | 14.4±2 | 284 |
| 2×2×1.5 | 0.7 | 1.1 | 1.4 | 1.0 | 17.8±2 | 520 |
| 3×2×1.5 | 0.7 | 1.1 | 1.4 | 1.0 | 19.9±2 | 672 |

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| Construction No. of elements×No. of cores in element×Cross section(mm ²) | Nominal Insulation Thickness mm | Nominal Bedding Thickness mm | Nominal Inner Sheath Thickness mm | Nominal Outer Sheath Thickness mm | Nominal Overall Diameter mm | Nominal Weight kg/km |
|---|--|---------------------------------------|--|--|--------------------------------------|----------------------------|
| 4×2×1.5 | 0.7 | 1.1 | 1.5 | 1.0 | 21.5±2 | 751 |
| 5×2×1.5 | 0.7 | 1.1 | 1.5 | 1.0 | 23.5±2 | 893 |
| 6×2×1.5 | 0.7 | 1.1 | 1.6 | 1.0 | 25.3±2 | 1040 |
| 7×2×1.5 | 0.7 | 1.1 | 1.6 | 1.0 | 25.3±2 | 1082 |
| 8×2×1.5 | 0.7 | 1.1 | 1.7 | 1.0 | 26.8±2 | 1187 |
| 9×2×1.5 | 0.7 | 1.1 | 1.7 | 1.0 | 28.9±2 | 1292 |
| 10×2×1.5 | 0.7 | 1.1 | 1.8 | 1.0 | 30.2±2 | 1334 |
| 12×2×1.5 | 0.7 | 1.1 | 1.8 | 1.0 | 31.3±2 | 1444 |
| 14×2×1.5 | 0.7 | 1.1 | 1.8 | 1.0 | 32.2±2 | 1596 |
| 15×2×1.5 | 0.7 | 1.2 | 1.9 | 1.0 | 34.7±2 | 1769 |
| 16×2×1.5 | 0.7 | 1.2 | 2.0 | 1.0 | 35.4±2 | 1864 |
| 18×2×1.5 | 0.7 | 1.2 | 2.0 | 1.0 | 37.0±2 | 2016 |
| 19×2×1.5 | 0.7 | 1.2 | 2.0 | 1.0 | 37.3±2 | 2090 |
| 20×2×1.5 | 0.7 | 1.2 | 2.1 | 1.0 | 39.2±2 | 2368 |
| 21×2×1.5 | 0.7 | 1.2 | 2.1 | 1.0 | 40.2±2 | 2462 |
| 23×2×1.5 | 0.7 | 1.2 | 2.2 | 1.0 | 41.0±2 | 2667 |
| 24×2×1.5 | 0.7 | 1.2 | 2.2 | 1.0 | 42.7±2 | 2741 |
| 27×2×1.5 | 0.7 | 1.2 | 2.3 | 1.0 | 43.7±2 | 2914 |
| 30×2×1.5 | 0.7 | 1.2 | 2.3 | 1.0 | 45.1±2 | 3155 |
| 33×2×1.5 | 0.7 | 1.4 | 2.4 | 1.0 | 47.1±2 | 3654 |
| 37×2×1.5 | 0.7 | 1.4 | 2.5 | 1.0 | 48.7±2 | 3780 |
| 1×3×1.5 | 0.7 | 1.1 | 1.2 | 1.0 | 15.0±2 | 315 |
| 2×3×1.5 | 0.7 | 1.1 | 1.4 | 1.0 | 19.5±2 | 536 |
| 3×3×1.5 | 0.7 | 1.1 | 1.5 | 1.0 | 22.1±2 | 777 |
| 4×3×1.5 | 0.7 | 1.1 | 1.5 | 1.0 | 23.8±2 | 914 |
| 5×3×1.5 | 0.7 | 1.1 | 1.6 | 1.0 | 25.3±2 | 1097 |
| 6×3×1.5 | 0.7 | 1.1 | 1.7 | 1.0 | 27.9±2 | 1292 |
| 7×3×1.5 | 0.7 | 1.1 | 1.7 | 1.0 | 28.0±2 | 1328 |
| 8×3×1.5 | 0.7 | 1.1 | 1.8 | 1.0 | 29.8±2 | 1475 |
| 9×3×1.5 | 0.7 | 1.1 | 1.8 | 1.0 | 31.5±2 | 1664 |
| 10×3×1.5 | 0.7 | 1.1 | 1.9 | 1.0 | 33.8±2 | 1764 |
| 12×3×1.5 | 0.7 | 1.2 | 2.0 | 1.0 | 35.1±2 | 2048 |
| 14×3×1.5 | 0.7 | 1.2 | 2.0 | 1.0 | 36.6±2 | 2121 |
| 15×3×1.5 | 0.7 | 1.2 | 2.0 | 1.0 | 37.6±2 | 2252 |
| 16×3×1.5 | 0.7 | 1.2 | 2.1 | 1.0 | 38.6±2 | 2573 |
| 18×3×1.5 | 0.7 | 1.2 | 2.2 | 1.0 | 41.2±2 | 2709 |
| 19×3×1.5 | 0.7 | 1.2 | 2.2 | 1.0 | 41.5±2 | 2809 |
| 20×3×1.5 | 0.7 | 1.2 | 2.2 | 1.0 | 42.5±2 | 3019 |
| 21×3×1.5 | 0.7 | 1.2 | 2.3 | 1.0 | 43.5±2 | 3150 |
| 23×3×1.5 | 0.7 | 1.2 | 2.3 | 1.0 | 45.0±2 | 3423 |



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| Construction No. of elements×No. of cores in element×Cross section(mm ²) | Nominal Insulation Thickness mm | Nominal Bedding Thickness mm | Nominal Inner Sheath Thickness mm | Nominal Outer Sheath Thickness mm | Nominal Overall Diameter mm | Nominal Weight kg/km |
|---|--|---------------------------------------|--|--|--------------------------------------|----------------------------|
| 24×3×1.5 | 0.7 | 1.4 | 2.4 | 1.0 | 46.9±2 | 3476 |
| 27×3×1.5 | 0.7 | 1.4 | 2.4 | 1.0 | 48.4±2 | 3817 |
| 30×3×1.5 | 0.7 | 1.4 | 2.5 | 1.0 | 50.5±2 | 4179 |
| 32×3×1.5 | 0.7 | 1.4 | 2.6 | 1.0 | 52.0±2 | 4436 |
| 1×2×2.5 | 0.7 | 1.1 | 1.2 | 1.0 | 15.3±2 | 336 |
| 2×2×2.5 | 0.7 | 1.1 | 1.4 | 1.0 | 19.5±2 | 557 |
| 3×2×2.5 | 0.7 | 1.1 | 1.5 | 1.0 | 22.2±2 | 819 |
| 4×2×2.5 | 0.7 | 1.1 | 1.5 | 1.0 | 23.5±2 | 945 |
| 5×2×2.5 | 0.7 | 1.1 | 1.6 | 1.0 | 25.4±2 | 1113 |
| 6×2×2.5 | 0.7 | 1.1 | 1.7 | 1.0 | 27.4±2 | 1297 |
| 7×2×2.5 | 0.7 | 1.1 | 1.7 | 1.0 | 27.4±2 | 1355 |
| 8×2×2.5 | 0.7 | 1.1 | 1.7 | 1.0 | 29.5±2 | 1470 |
| 9×2×2.5 | 0.7 | 1.1 | 1.8 | 1.0 | 31.4±2 | 1570 |
| 10×2×2.5 | 0.7 | 1.1 | 1.9 | 1.0 | 32.9±2 | 1675 |
| 12×2×2.5 | 0.7 | 1.1 | 1.9 | 1.0 | 33.6±2 | 1843 |
| 14×2×2.5 | 0.7 | 1.2 | 2.0 | 1.0 | 35.6±2 | 2090 |
| 15×2×2.5 | 0.7 | 1.2 | 2.1 | 1.0 | 38.0±2 | 2273 |
| 16×2×2.5 | 0.7 | 1.2 | 2.1 | 1.0 | 38.9±2 | 2468 |
| 18×2×2.5 | 0.7 | 1.2 | 2.2 | 1.0 | 40.9±2 | 2693 |
| 19×2×2.5 | 0.7 | 1.2 | 2.2 | 1.0 | 41.3±2 | 2798 |
| 20×2×2.5 | 0.7 | 1.2 | 2.2 | 1.0 | 42.8±2 | 3024 |
| 21×2×2.5 | 0.7 | 1.2 | 2.3 | 1.0 | 44.1±2 | 3171 |
| 23×2×2.5 | 0.7 | 1.2 | 2.3 | 1.0 | 44.7±2 | 3418 |
| 24×2×2.5 | 0.7 | 1.4 | 2.4 | 1.0 | 47.2±2 | 3497 |
| 27×2×2.5 | 0.7 | 1.4 | 2.4 | 1.0 | 48.1±2 | 3796 |
| 30×2×2.5 | 0.7 | 1.4 | 2.5 | 1.0 | 49.8±2 | 4148 |
| 33×2×2.5 | 0.7 | 1.4 | 2.6 | 1.0 | 51.7±2 | 4515 |
| 37×2×2.5 | 0.7 | 1.4 | 2.6 | 1.0 | 53.2±2 | 4904 |
| 1×3×2.5 | 0.7 | 1.1 | 1.3 | 1.0 | 15.9±2 | 373 |
| 2×3×2.5 | 0.7 | 1.1 | 1.5 | 1.0 | 22.9±2 | 882 |
| 3×3×2.5 | 0.7 | 1.1 | 1.5 | 1.0 | 23.6±2 | 992 |
| 4×3×2.5 | 0.7 | 1.1 | 1.6 | 1.0 | 25.3±2 | 1171 |
| 5×3×2.5 | 0.7 | 1.1 | 1.7 | 1.0 | 27.4±2 | 1381 |
| 6×3×2.5 | 0.7 | 1.1 | 1.8 | 1.0 | 30.3±2 | 1633 |
| 7×3×2.5 | 0.7 | 1.1 | 1.8 | 1.0 | 30.3±2 | 1722 |
| 8×3×2.5 | 0.7 | 1.1 | 1.8 | 1.0 | 32.2±2 | 1869 |
| 9×3×2.5 | 0.7 | 1.2 | 1.9 | 1.0 | 34.6±2 | 2158 |
| 10×3×2.5 | 0.7 | 1.2 | 2.0 | 1.0 | 37.1±2 | 2184 |
| 12×3×2.5 | 0.7 | 1.2 | 2.1 | 1.0 | 38.8±2 | 2557 |
| 14×3×2.5 | 0.7 | 1.2 | 2.1 | 1.0 | 40.3±2 | 2835 |

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| Construction No. of elements×No. of cores in element×Cross section(mm ²) | Nominal Insulation Thickness mm | Nominal Bedding Thickness mm | Nominal Inner Sheath Thickness mm | Nominal Outer Sheath Thickness mm | Nominal Overall Diameter mm | Nominal Weight kg/km |
|---|--|---------------------------------------|--|--|--------------------------------------|----------------------------|
| 15×3×2.5 | 0.7 | 1.2 | 2.2 | 1.0 | 41.7±2 | 3040 |
| 16×3×2.5 | 0.7 | 1.2 | 2.2 | 1.0 | 42.8±2 | 3203 |
| 18×3×2.5 | 0.7 | 1.2 | 2.3 | 1.0 | 44.9±2 | 3502 |
| 19×3×2.5 | 0.7 | 1.2 | 2.3 | 1.0 | 45.3±2 | 3644 |
| 20×3×2.5 | 0.7 | 1.4 | 2.4 | 1.0 | 46.9±2 | 3974 |
| 21×3×2.5 | 0.7 | 1.4 | 2.4 | 1.0 | 47.8±2 | 4132 |
| 23×3×2.5 | 0.7 | 1.4 | 2.5 | 1.0 | 49.7±2 | 4358 |
| 24×3×2.5 | 0.7 | 1.4 | 2.5 | 1.0 | 50.6±2 | 4515 |
| 27×3×2.5 | 0.7 | 1.4 | 2.6 | 1.0 | 53.1±2 | 5003 |
| 30×3×2.5 | 0.7 | 1.4 | 2.7 | 1.0 | 55.5±2 | 5497 |
| 32×3×2.5 | 0.7 | 1.6 | 2.8 | 1.0 | 57.5±2 | 5901 |



Standard



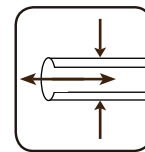
Standard



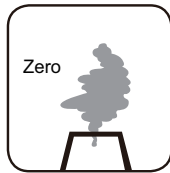
Standard



Standard



Water Tightness
VG 95218-29



Halogen Free
IEC60754-1



Low Corrosivity
IEC60754-2



Low Smoke Emission
IEC 61034-1&2



Flame Retardancy
IEC60332-1



Reduced Fire Propagation
IEC60332-3-22