

ABHAR CABLE CO.



ISO 9002
Certificate No.
QS-1147HH



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Dutch Council for
Accreditation



**AC ABHAR
CABLE**

Building Wire & Cables

Building wire & cable provides power distribution within a building.

AC manufactures these cables with different construction. Flexible cables constitute a major group of these cables. They use flexible conductors. The insulation used for these cables can either be made of Rubber or PVC. The PVC itself may withstand up to 70 or 90 degrees of temperature in Celsius scale, called PVC 70 or PVC 90. They are usually made with braided copper shield or tinned copper.

Heat resistant cables are another group of these cables, which use flexible conductors and EVA or SIR as insulation material. These insulations withstands 110° C up to 180° C operating temperature resp. By use of Glass Fiber Braid sheathing over SIR the maximum temperature is increased and also the insulation layer is better protected against mechanical damages.

These wires and cables are mainly meant for indoor applications and hence they should have a small bending radius and weight. Therefore, they do not have any special mechanical protection, and they are usually laid inside conduits in order to protect them from mechanical damages.

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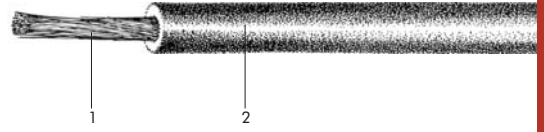
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Cu/PVC

IEC 60227-3

Description:

Single core wire with fine stranded copper conductor & PVC insulation.



| Number of Cores & Cross Section mm ² | Insulation Thickness mm | Wire Diameter Approx. mm | Total Weight Approx. kg/km |
|--|----------------------------|--------------------------------|----------------------------------|
| 1 x 0.5 RF | 0.6 | 2.1 | 9 |
| 1 x 0.75 RF | 0.6 | 2.3 | 12 |
| 1 x 1 RF | 0.6 | 2.5 | 15 |
| 1 x 1.5 RF | 0.7 | 3.1 | 21 |
| 1 x 2.5 RF | 0.8 | 3.7 | 33 |
| 1 x 4 RF | 0.8 | 4.3 | 49 |
| 1 x 6 RF | 0.8 | 4.7 | 69 |
| 1 x 10 RF | 1.0 | 6.1 | 115 |
| 1 x 16 RF | 1.0 | 7.2 | 168 |
| 1 x 25 RF | 1.2 | 8.9 | 263 |
| 1 x 35 RF | 1.2 | 10.1 | 355 |

1-Fine Stranded Conductor 2-PVC Insulation.



IEC 60227-3

Cu/PVC

Description:

Single core wire with copper conductor & PVC insulation.

| Number of Cores & Cross Section mm ² | Insulation Thickness mm | Wire Diameter Approx. mm | Total Weight Approx. kg/km |
|--|----------------------------|-----------------------------|-------------------------------|
| 1 x 0.5 RE | 0.6 | 2.0 | 8 |
| 1 x 0.75 RE | 0.6 | 2.2 | 11 |
| 1 x 1 RE | 0.6 | 2.4 | 14 |
| 1 x 1.5 RE | 0.7 | 2.8 | 20 |
| 1 x 1.5 RM | 0.7 | 3.1 | 21 |
| 1 x 2.5 RE | 0.8 | 3.4 | 32 |
| 1 x 2.5 RM | 0.8 | 3.7 | 33 |
| 1 x 4 RE | 0.8 | 3.9 | 47 |
| 1 x 4 RM | 0.8 | 4.3 | 49 |
| 1 x 6 RE | 0.8 | 4.4 | 67 |
| 1 x 6 RM | 0.8 | 4.7 | 69 |
| 1 x 10 RE | 1.0 | 5.6 | 111 |
| 1 x 10 RM | 1.0 | 6.1 | 115 |
| 1 x 16 RM | 1.0 | 7.2 | 168 |
| 1 x 25 RM | 1.2 | 8.9 | 263 |
| 1 x 35 RM | 1.2 | 10.1 | 355 |

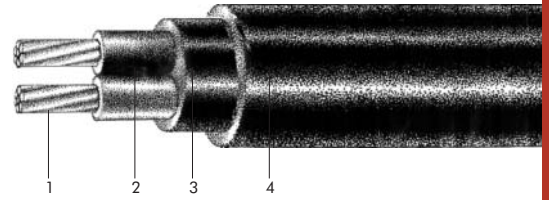
1-Solid or Stranded Circular Conductor 2-PVC Insulation.

Cu/PVC/PVC

IEC 60227-4

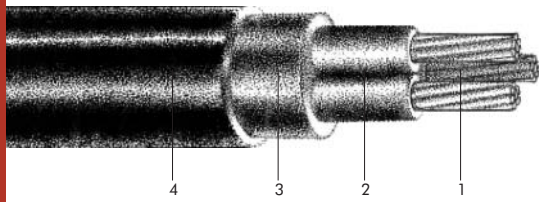
Description:

2 Core construction cable with copper conductor & PVC insulation.



| Number of Cores & Cross Section mm ² | Insulation Thickness mm | Sheath Thickness mm | Cable Diameter Approx. mm | Total Weight Approx. kg/km |
|---|-------------------------|---------------------|---------------------------|----------------------------|
| 2 x 1.5 RE | 0.7 | 1.2 | 9.1 | 119 |
| 2 x 1.5 RM | 0.7 | 1.2 | 9.7 | 131 |
| 2 x 2.5 RE | 0.8 | 1.2 | 10.3 | 162 |
| 2 x 2.5 RM | 0.8 | 1.2 | 10.9 | 176 |
| 2 x 4 RE | 0.8 | 1.2 | 11.3 | 211 |
| 2 x 4 RM | 0.8 | 1.2 | 12.1 | 230 |
| 2 x 6 RE | 0.8 | 1.2 | 12.3 | 269 |
| 2 x 6 RM | 0.8 | 1.2 | 12.9 | 285 |
| 2 x 10 RE | 1.0 | 1.4 | 15.6 | 440 |
| 2 x 10 RM | 1.0 | 1.4 | 16.6 | 474 |
| 2 x 16 RM | 1.0 | 1.4 | 18.0 | 615 |
| 2 x 25 RM | 1.2 | 1.4 | 21.8 | 930 |
| 2 x 35 RM | 1.2 | 1.6 | 24.8 | 1235 |

1-Solid or Stranded Circular Conductor 2-PVC Insulation 3-Extruded PVC Filler 4-PVC Sheathing.



IEC 60227-4

Cu/PVC/PVC

Description:

3 Core construction cable with copper conductor & PVC insulation.

| Number of Cores & Cross Section mm ² | Insulation Thickness mm | Sheath Thickness mm | Cable Diameter Approx. mm | Total Weight Approx. kg/km |
|---|-------------------------|---------------------|---------------------------|----------------------------|
| 3 x 1.5 RE | 0.7 | 1.2 | 9.5 | 138 |
| 3 x 1.5 RM | 0.7 | 1.2 | 10.2 | 152 |
| 3 x 2.5 RE | 0.8 | 1.2 | 10.8 | 192 |
| 3 x 2.5 RM | 0.8 | 1.2 | 11.5 | 207 |
| 3 x 4 RE | 0.8 | 1.2 | 11.9 | 255 |
| 3 x 4 RM | 0.8 | 1.2 | 12.8 | 276 |
| 3 x 6 RE | 0.8 | 1.4 | 13.5 | 345 |
| 3 x 6 RM | 0.8 | 1.4 | 14.1 | 360 |
| 3 x 10 RE | 1.0 | 1.4 | 16.5 | 545 |
| 3 x 10 RM | 1.0 | 1.4 | 17.5 | 578 |
| 3 x 16 RM | 1.0 | 1.4 | 19.7 | 792 |
| 3 x 25 RM | 1.2 | 1.6 | 23.6 | 1191 |
| 3 x 35 RM | 1.2 | 1.6 | 26.3 | 1564 |

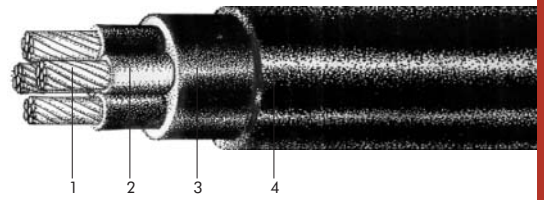
1-Solid or Stranded Circular Conductor 2-PVC Insulation 3-Extruded PVC Filler 4-PVC Sheathing.

Cu/PVC/PVC

IEC 60227-4

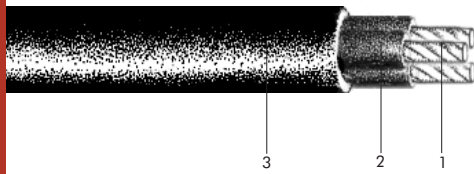
Description:

4 Core construction cable with copper conductor & PVC insulation.



| Number of Cores & Cross Section mm ² | Insulation Thickness mm | Sheath Thickness mm | Cable Diameter Approx. mm | Total Weight Approx. kg/km |
|---|-------------------------|---------------------|---------------------------|----------------------------|
| 4 x 1.5 RE | 0.7 | 1.2 | 10.3 | 166 |
| 4 x 1.5 RM | 0.7 | 1.2 | 11.0 | 180 |
| 4 x 2.5 RE | 0.8 | 1.2 | 11.7 | 231 |
| 4 x 2.5 RM | 0.8 | 1.2 | 12.4 | 246 |
| 4 x 4 RE | 1.8 | 1.4 | 13.4 | 323 |
| 4 x 4 RM | 1.8 | 1.4 | 14.4 | 347 |
| 4 x 6 RE | 0.8 | 1.4 | 15.0 | 436 |
| 4 x 6 RM | 0.8 | 1.4 | 15.7 | 456 |
| 4 x 10 RE | 1.0 | 1.4 | 17.9 | 668 |
| 4 x 10 RM | 1.0 | 1.4 | 19.2 | 709 |
| 4 x 16 RM | 1.0 | 1.4 | 21.4 | 979 |
| 4 x 25 RM | 1.2 | 1.6 | 26.3 | 1511 |
| 4 x 35 RM | 1.2 | 1.6 | 28.7 | 1946 |

1-Solid or Stranded Circular Conductor 2-PVC Insulation 3-Extruded PVC Filler 4-PVC Sheathing.



IEC 60245-7

Cu/EVA/EVA

Description:

Heat resistant, EVA insulated, EVA sheathed control cable

| Number of Cores & Cross Section mm ² | Insulation Thickness mm | Sheath Thickness mm | Cable Diameter Approx. mm | Total Weight Approx. kg/km |
|---|-------------------------|---------------------|---------------------------|----------------------------|
| 3 x 0.75 | 0.6 | 0.9 | 6.9 | 72 |
| 5 x 0.75 | 0.6 | 1.0 | 8.4 | 105 |
| 7 x 0.75 | 0.6 | 1.0 | 9.1 | 140 |
| 8 x 0.75 | 0.6 | 1.1 | 10.3 | 164 |
| 10x 0.75 | 0.6 | 1.1 | 11.6 | 199 |
| 12x 0.75 | 0.6 | 1.2 | 12.2 | 231 |
| 3 x 1.0 | 0.6 | 0.9 | 7.3 | 84 |
| 5 x 1.0 | 0.6 | 1.0 | 8.8 | 123 |
| 7 x 1.0 | 0.6 | 1.1 | 9.8 | 169 |
| 8 x 1.0 | 0.6 | 1.2 | 11.1 | 198 |
| 10x 1.0 | 0.6 | 1.2 | 12.5 | 240 |
| 12x 1.0 | 0.6 | 1.2 | 12.9 | 273 |
| 3 x 1.5 | 0.8 | 1.0 | 8.9 | 125 |
| 5 x 1.5 | 0.8 | 1.1 | 10.8 | 184 |
| 7 x 1.5 | 0.8 | 1.2 | 12.0 | 253 |
| 8 x 1.5 | 0.8 | 1.2 | 13.4 | 290 |
| 10x 1.5 | 0.8 | 1.2 | 15.2 | 352 |
| 12x 1.5 | 0.8 | 1.2 | 16.1 | 417 |
| 3 x 2.5 | 0.9 | 1.1 | 10.5 | 184 |
| 5 x 2.5 | 0.9 | 1.3 | 13.0 | 278 |
| 7 x 2.5 | 0.9 | 1.4 | 14.4 | 383 |
| 8 x 2.5 | 0.9 | 1.4 | 16.1 | 437 |
| 10x 2.5 | 0.9 | 1.6 | 18.6 | 549 |
| 12x 2.5 | 0.9 | 1.6 | 18.9 | 610 |

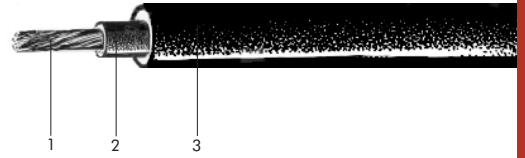
1-Stranded Flexible Copper Conductor 2-EVA Insulation 3-EVA Sheathing
 Maximum conductor Temperature 110 C

Cu/EVA/EVA

IEC 60245-7

Description:

Heat resistant, EVA insulated (double insulated) wire



| Number of Cores & Cross Section mm ² | Insulation Thickness mm | Outer Diameter Approx. mm | Total Weight Approx. kg/km |
|---|-------------------------|---------------------------|----------------------------|
| 0.5 | 0.6+0.6 | 3.3 | 17 |
| 0.75 | 0.6+0.6 | 3.5 | 20 |
| 1.0 | 0.6+0.6 | 3.7 | 23 |
| 1.5 | 0.6+0.6 | 4.0 | 29 |
| 2.5 | 0.6+0.6 | 4.5 | 41 |

1-Stranded Flexible Copper Conductor 2-EVA Insulation
Maximum conductor Temperature 110 C

IEC 60245-7

Cu/EVA

Description:

Heat resistant, EVA insulated wire



| Number of Cores & Cross Section mm ² | Insulation Thickness mm | Outer Diameter Approx. mm | Total Weight Approx. kg/km |
|---|-------------------------|---------------------------|----------------------------|
| 0.5 | 0.8 | 2.5 | 11 |
| 0.75 | 0.8 | 2.7 | 14 |
| 1.0 | 0.8 | 2.9 | 17 |
| 1.5 | 0.8 | 3.2 | 22 |
| 2.5 | 0.9 | 3.9 | 35 |
| 4.0 | 1.0 | 4.8 | 54 |
| 6 | 1.0 | 5.4 | 75 |
| 10 | 1.2 | 6.9 | 123 |

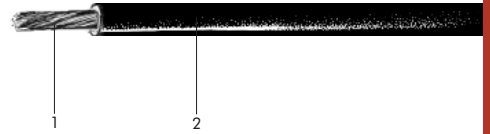
1-Stranded Flexible Copper Conductor 2-Heat Resistant EVA Insulation
 Maximum conductor Temperature 110 C

TiCu/SIR

IEC 60245-3

Description:

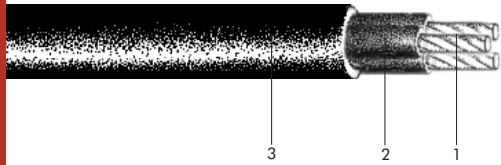
Heat resistant, Silicon Rubber insulated wire



| Number of Cores & Cross Section mm ² | Insulation Thickness mm | Outer Diameter Approx. mm | Total Weight Approx. kg/km |
|---|-------------------------|---------------------------|----------------------------|
| 0.5 | 0.6 | 2.1 | 9 |
| 0.75 | 0.6 | 2.3 | 12 |
| 1.0 | 0.6 | 2.5 | 14 |
| 1.5 | 0.7 | 3.0 | 21 |
| 2.5 | 0.8 | 3.7 | 33 |
| 4 | 0.8 | 4.2 | 50 |
| 6 | 0.8 | 4.8 | 71 |
| 10 | 1.0 | 6.5 | 125 |
| 16 | 1.0 | 7.6 | 181 |

1-Tinned Stranded Flexible Copper Conductor 2-Silicon Rubber Insulation

Maximum conductor Temperature 180 C



IEC 60245-3

TiCu/SIR/EVA

Description:

Heat resistant, Silicon Rubber insulated, EVA sheathed control cable

| Number of Cores & Cross Section mm ² | Insulation Thickness mm | Sheath Thickness mm | Cable Diameter Approx. mm | Total Weight Approx. kg/km |
|---|-------------------------|---------------------|---------------------------|----------------------------|
| 3 x 0.75 | 0.6 | 1.0 | 6.9 | 80 |
| 5 x 0.75 | 0.6 | 1.2 | 8.4 | 110 |
| 7 x 0.75 | 0.6 | 1.2 | 9.1 | 144 |
| 8 x 0.75 | 0.6 | 1.2 | 10.3 | 164 |
| 10x 0.75 | 0.6 | 1.2 | 11.6 | 197 |
| 12x 0.75 | 0.6 | 1.4 | 12.2 | 235 |
| 3 x 1.0 | 0.6 | 1.0 | 7.5 | 85 |
| 5 x 1.0 | 0.6 | 1.2 | 9.2 | 128 |
| 7 x 1.0 | 0.6 | 1.2 | 10.0 | 169 |
| 8 x 1.0 | 0.6 | 1.3 | 11.1 | 193 |
| 10x 1.0 | 0.6 | 1.4 | 12.5 | 233 |
| 12x 1.0 | 0.6 | 1.4 | 13.3 | 276 |
| 3 x 1.5 | 0.6 | 1.1 | 8.2 | 109 |
| 5 x 1.5 | 0.6 | 1.2 | 10.0 | 160 |
| 7 x 1.5 | 0.6 | 1.2 | 10.8 | 213 |
| 8 x 1.5 | 0.6 | 1.4 | 12.4 | 255 |
| 10x 1.5 | 0.6 | 1.4 | 14.0 | 308 |
| 12x 1.5 | 0.6 | 1.6 | 14.8 | 364 |
| 3 x 2.5 | 0.6 | 1.2 | 9.5 | 155 |
| 5 x 2.5 | 0.6 | 1.3 | 11.4 | 229 |
| 7 x 2.5 | 0.6 | 1.4 | 12.6 | 314 |
| 8 x 2.5 | 0.6 | 1.4 | 14.1 | 359 |
| 10x 2.5 | 0.6 | 1.6 | 16.2 | 451 |
| 12x 2.5 | 0.6 | 1.6 | 16.8 | 516 |

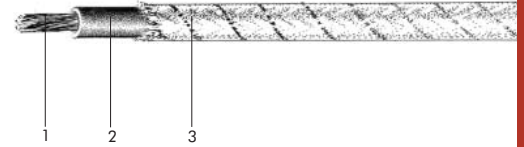
1-Tinned Stranded Flexible Copper Conductor 2-Silicon Rubber Insulation 3-EVA Sheathing
 Maximum conductor Temperature 110 C

TiCu/SIR/GFB

IEC 60245-3

Description:

Heat resistant, Silicon Rubber insulated cord with impregnated glass fiber braiding



| Number of Cores & Cross Section mm ² | Insulation Thickness | Outer Diameter Approx. mm | Total Weight Approx. kg/km |
|---|----------------------|---------------------------|----------------------------|
| 0.5 | 0.6 | 3.1 | 22 |
| 0.75 | 0.6 | 3.3 | 27 |
| 1.0 | 0.6 | 3.5 | 30 |
| 1.5 | 0.7 | 4.0 | 39 |
| 2.5 | 0.8 | 4.7 | 55 |
| 4.0 | 0.8 | 5.2 | 75 |
| 6 | 0.8 | 5.8 | 98 |
| 10 | 1.0 | 7.5 | 161 |
| 16 | 1.0 | 8.6 | 222 |

1-Tinned Stranded Flexible Copper Conductor 2- Silicon Rubber Insulation 3-Impregnated Glass Fiber
Maximum conductor Temperature 180 C

TECHNICAL DATA



IEC & AWC Abbreviations

| | |
|--------------|--|
| Cu | Copper |
| Al | Aluminium |
| AA | Aluminium Alloy |
| TiCu | Tinned Copper |
| SiCu | Silver Coated copper |
| RM | Stranded Circular |
| SM | Shaped Stranded |
| SE | Shaped Solid |
| RE | Solid Circular |
| RF | Flexible Circular |
| RMS | Stranded Segmental (Milliken) |
| CTS | Copper Tape Screen |
| CWS | Copper Wire Screen |
| CuB | Copper Wire Braided Screen |
| ICTS | Individual Copper Tape Screen |
| ICWS | Individual Copper Wire Screen |
| ISCR | Individual Screen Formed by Polyester + Tinned Drain Wire + Aluminium Backed Polyester + Polyester |
| ISCRC | Individual Screen Formed by Polyester + Tinned Drain Wire + Copper Backed Polyester + Polyester |
| OSCR | Overall Screen Formed by Polyester + Tinned Drain Wire + Aluminium Backed Polyester |
| OSCRC | Overall Screen Formed by Polyester + Tinned Drain Wire + Copper Backed Polyester |
| TCB | Tinned Copper Wire Braided Screen |
| CW | Communication Wire |
| ATA | Double Aluminium Tape Armour |
| STA | Double Galv. Steel Tape Armour |
| AWA | Aluminium Wire Armour |
| AWAT | Aluminium Wire Armour + Counter Helix |
| SWA | Galv. Steel Wire Armour |
| SWAT | Galv. Steel Wire Armour + Counter Helix |
| SSWA | Stainless Steel Wire Armour |
| DAWA | Double Aluminum Wire Armour |
| DSWA | Double Galv. Steel Wire Armour |
| TCWA | Tinned Copper Wire Armour |
| AWB | Aluminium Wire Braided |
| SWB | Galv. Steel Wire Braided |
| BWB | Bronze Wire Braided |
| SSWB | Stainless Steel Wire Braided |
| LSh | Lead Sheath |
| AIPE | Aluminium Copolymer Coated |

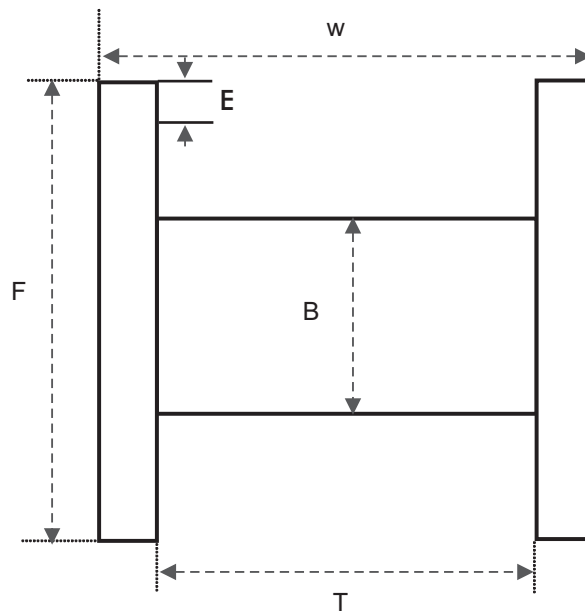
| | |
|--------------|--|
| Bd | Bedding |
| BT | Brass tape |
| BHT | Bituminized Hessian Tape |
| BPT | Bitumen Coated Paper Tape |
| BdT | Bedding Tape (PVC or PE) |
| BrT | Bronze Tape |
| MGT | Mica Glass Tape |
| PPT | Polypropylene Tape |
| SCT | Semi Conductive Tape |
| WBT | Water Blocking Tape |
| Pet | Polyester Tape (Mylar) |
| SCWBT | Semi-Conductive Water Blocking Tape |
| PPY | Polypropylene Yarn |
| WBY | Water Blocking Yarn |
| SCYF | Semi-conductive Yarn Filler |
| GC | Graphite Coating |
| GFB | Glass Fiber Braided |
| FPE | Foamed Polyethylene (Cellular) |
| TPU | Thermoplastic Polyurethane |
| SC | Ext. Polymer Semi Conductive |
| TPE | Thermoplastic Elastomer |
| PVC | Polyvinylchloride |
| XLPE | Cross Linked Polyethylene |
| SIR | Silicone Rubber |
| PE | Polyethylene |
| EVA | Ethylene Vinyl Acetate |
| XEVA | Cross Linked EVA |
| HDPE | High Density Polyethylene |
| HEPR | Hard Grade Ethylene Propylene Rubber |
| LDPE | Low Density Polyethylene |
| MDPE | Medium Density Polyethylene |
| LSFOH | Low Smoke Flame Retardant Zero Halogen |
| EPR | Ethylene Propylene Rubber |
| PVCE | High Temperature PVC (90°C) |
| PVCH | High temperature Sheathing Compound equal to IEC ST2 ,VDE YM5 (90°C) |
| APVC | Anti Termite PVC |
| APVCE | Anti Termite High Temperature PVC (90°C) |
| APVCH | Anti Termite & High Temperature Sheathing Compound equal to IEC ST2 ,VDE YM5 (90°C) |
| XPVC | Cross Linked PVC |
| OPVC | Oil, Acid & Hydrocarbon Resistance Sheathing Compound |
| OPVCH | Oil Resistant & High Temperature Sheathing Compound equal to IEC ST2 ,VDE YM5 (90°C) |

Max Cable length in meters on standard drums

| Drum Sizes | | | | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|--------------|
| Cable Dia.mm | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 30 | Cable Dia.mm |
| 6 | 1326 | 3961 | | | | | | | | | | | 6 |
| 7 | 975 | 2910 | | | | | | | | | | | 7 |
| 8 | 746 | 2228 | 4391 | | | | | | | | | | 8 |
| 9 | 590 | 1760 | 3470 | | | | | | | | | | 9 |
| 10 | 478 | 1426 | 2810 | 4566 | | | | | | | | | 10 |
| 11 | 395 | 1178 | 2323 | 3774 | | | | | | | | | 11 |
| 12 | 332 | 990 | 1952 | 3171 | 4912 | | | | | | | | 12 |
| 13 | 283 | 844 | 1663 | 2702 | 4185 | | | | | | | | 13 |
| 14 | | 727 | 1434 | 2330 | 3609 | 4934 | | | | | | | 14 |
| 15 | | 634 | 1249 | 2029 | 3144 | 4298 | | | | | | | 15 |
| 16 | | 557 | 1098 | 1784 | 2763 | 3777 | | | | | | | 16 |
| 17 | | 493 | 972 | 1580 | 2448 | 3346 | 4858 | | | | | | 17 |
| 18 | | 440 | 867 | 1409 | 2183 | 2985 | 4333 | 4643 | | | | | 18 |
| 19 | | 395 | 778 | 1265 | 1959 | 2679 | 3889 | 4167 | 4722 | | | | 19 |
| 20 | | 356 | 703 | 1142 | 1768 | 2417 | 3510 | 3760 | 4262 | | | | 20 |
| 21 | | 323 | 637 | 1035 | 1604 | 2193 | 3183 | 3411 | 3866 | | | | 21 |
| 22 | | 295 | 581 | 943 | 1461 | 1998 | 2901 | 3108 | 3522 | 4815 | | | 22 |
| 23 | | 270 | 531 | 863 | 1337 | 1828 | 2654 | 2843 | 3223 | 4406 | | | 23 |
| 24 | | | 488 | 793 | 1228 | 1679 | 2437 | 2611 | 2960 | 4046 | | | 24 |
| 25 | | | 450 | 731 | 1132 | 1547 | 2246 | 2407 | 2728 | 3729 | | | 25 |
| 26 | | | 416 | 675 | 1046 | 1430 | 2077 | 2225 | 2522 | 3448 | | | 26 |
| 27 | | | 386 | 626 | 970 | 1326 | 1926 | 2063 | 2338 | 3197 | | | 27 |
| 28 | | | 358 | 582 | 902 | 1233 | 1791 | 1919 | 2174 | 2973 | | | 28 |
| 29 | | | 334 | 543 | 841 | 1150 | 1669 | 1789 | 2027 | 2771 | 4826 | | 29 |
| 30 | | | 312 | 507 | 786 | 1074 | 1560 | 1671 | 1894 | 2590 | 4510 | | 30 |
| 31 | | | 292 | 475 | 736 | 1006 | 1461 | 1565 | 1774 | 2425 | 4224 | | 31 |
| 32 | | | 274 | 446 | 691 | 944 | 1371 | 1469 | 1665 | 2276 | 3964 | | 32 |
| 33 | | | 258 | 419 | 650 | 888 | 1289 | 1381 | 1565 | 2140 | 3727 | 4999 | 33 |
| 34 | | | | 395 | 612 | 836 | 1214 | 1301 | 1475 | 2016 | 3511 | 4709 | 34 |
| 35 | | | | 373 | 577 | 789 | 1146 | 1228 | 1392 | 1903 | 3313 | 4444 | 35 |
| 36 | | | | 352 | 546 | 746 | 1083 | 1161 | 1315 | 1798 | 3132 | 4200 | 36 |
| 37 | | | | 334 | 517 | 706 | 1026 | 1099 | 1245 | 1702 | 2965 | 3976 | 37 |
| 38 | | | | 316 | 490 | 670 | 972 | 1042 | 1181 | 1614 | 2811 | 3770 | 38 |
| 39 | | | | 300 | 465 | 636 | 923 | 989 | 1121 | 1532 | 2669 | 3579 | 39 |
| 40 | | | | 285 | 442 | 604 | 877 | 940 | 1065 | 1457 | 2537 | 3402 | 40 |
| 41 | | | | 272 | 421 | 575 | 835 | 895 | 1014 | 1386 | 2415 | 3238 | 41 |
| 42 | | | | 259 | 401 | 548 | 796 | 853 | 966 | 1321 | 2301 | 3086 | 42 |
| 43 | | | | | 383 | 523 | 759 | 814 | 922 | 1260 | 2195 | 2944 | 43 |
| 44 | | | | | 365 | 499 | 725 | 777 | 881 | 1204 | 2097 | 2812 | 44 |
| 45 | | | | | 349 | 478 | 693 | 743 | 842 | 1151 | 2004 | 2688 | 45 |
| 46 | | | | | 334 | 457 | 663 | 711 | 806 | 1101 | 1918 | 2573 | 46 |
| 47 | | | | | 320 | 438 | 636 | 681 | 772 | 1055 | 1837 | 2464 | 47 |
| 48 | | | | | 307 | 420 | 609 | 653 | 740 | 1012 | 1762 | 2363 | 48 |
| 49 | | | | | 295 | 403 | 585 | 626 | 710 | 971 | 1691 | 2267 | 49 |
| 50 | | | | | 283 | 387 | 562 | 602 | 682 | 932 | 1624 | 2178 | 50 |
| 51 | | | | | 272 | 372 | 540 | 578 | 655 | 896 | 1561 | 2093 | 51 |
| 52 | | | | | 262 | 358 | 519 | 556 | 630 | 862 | 1501 | 2013 | 52 |
| 53 | | | | | 252 | 344 | 500 | 535 | 607 | 830 | 1445 | 1938 | 53 |
| 54 | | | | | | 332 | 481 | 516 | 585 | 799 | 1392 | 1867 | 54 |
| 55 | | | | | | 320 | 464 | 497 | 564 | 770 | 1342 | 1800 | 55 |
| 56 | | | | | | 308 | 448 | 480 | 544 | 743 | 1294 | 1736 | 56 |
| 57 | | | | | | 298 | 432 | 463 | 525 | 717 | 1249 | 1676 | 57 |
| 58 | | | | | | 287 | 417 | 447 | 507 | 693 | 1207 | 1618 | 58 |
| 59 | | | | | | 278 | 403 | 432 | 490 | 670 | 1166 | 1564 | 59 |
| 60 | | | | | | 269 | 390 | 418 | 474 | 647 | 1127 | 1512 | 60 |
| 61 | | | | | | 260 | 377 | 404 | 458 | 626 | 1091 | 1463 | 61 |
| 62 | | | | | | 252 | 365 | 391 | 443 | 606 | 1056 | 1416 | 62 |
| 63 | | | | | | | 354 | 379 | 430 | 587 | 1023 | 1372 | 63 |
| 64 | | | | | | | 343 | 367 | 416 | 569 | 991 | 1329 | 64 |
| 65 | | | | | | | 332 | 356 | 403 | 552 | 961 | 1288 | 65 |
| 66 | | | | | | | 322 | 345 | 391 | 535 | 932 | 1250 | 66 |
| 67 | | | | | | | 313 | 335 | 380 | 519 | 904 | 1213 | 67 |
| 68 | | | | | | | 304 | 325 | 369 | 504 | 878 | 1177 | 68 |
| 69 | | | | | | | 295 | 316 | 358 | 490 | 853 | 1143 | 69 |
| 70 | | | | | | | 287 | 307 | 348 | 476 | 828 | 1111 | 70 |
| 71 | | | | | | | 278 | 298 | 338 | 462 | 805 | 1080 | 71 |
| 72 | | | | | | | 271 | 290 | 329 | 450 | 783 | 1050 | 72 |
| 73 | | | | | | | 263 | 282 | 320 | 437 | 762 | 1022 | 73 |
| 74 | | | | | | | 256 | 275 | 311 | 426 | 741 | 994 | 74 |
| 75 | | | | | | | 250 | 267 | 303 | 414 | 722 | 968 | 75 |
| 76 | | | | | | | | 260 | 295 | 403 | 703 | 942 | 76 |
| 77 | | | | | | | | 254 | 288 | 393 | 685 | 918 | 77 |
| 78 | | | | | | | | | 280 | 383 | 667 | 895 | 78 |
| 79 | | | | | | | | | 273 | 373 | 650 | 872 | 79 |
| 80 | | | | | | | | | 266 | 364 | 634 | 851 | 80 |
| 81 | | | | | | | | | 260 | 355 | 619 | 830 | 81 |
| 82 | | | | | | | | | 254 | 347 | 604 | 810 | 82 |
| 83 | | | | | | | | | | 338 | 589 | 790 | 83 |
| 84 | | | | | | | | | | 330 | 575 | 772 | 84 |
| 85 | | | | | | | | | | 323 | 562 | 753 | 85 |
| 86 | | | | | | | | | | 315 | 549 | 736 | 86 |
| 87 | | | | | | | | | | 308 | 536 | 719 | 87 |
| 88 | | | | | | | | | | 301 | 524 | 703 | 88 |
| 89 | | | | | | | | | | 294 | 512 | 687 | 89 |
| 90 | | | | | | | | | | 288 | 501 | 672 | 90 |
| 91 | | | | | | | | | | 281 | 490 | 657 | 91 |
| 92 | | | | | | | | | | 275 | 480 | 643 | 92 |
| 93 | | | | | | | | | | 269 | 469 | 629 | 93 |
| 94 | | | | | | | | | | 264 | 459 | 616 | 94 |
| 95 | | | | | | | | | | 258 | 450 | 603 | 95 |
| 96 | | | | | | | | | | 253 | 440 | 591 | 96 |
| 97 | | | | | | | | | | | 431 | 579 | 97 |
| 98 | | | | | | | | | | | 423 | 567 | 98 |
| 99 | | | | | | | | | | | 414 | 555 | 99 |
| 100 | | | | | | | | | | | 406 | 544 | 100 |



| Drum size | Flange Dia. F | Barrel Dia. B | Traverse T | Width overall W | Drum weight Kg |
|-----------|---------------|---------------|------------|-----------------|----------------|
| 6 | 600 | 300 | 400 | 430 | 20 |
| 8 | 800 | 350 | 520 | 600 | 30 |
| 10 | 1000 | 450 | 620 | 700 | 50 |
| 12 | 1200 | 600 | 720 | 820 | 70 |
| 14 | 1400 | 700 | 790 | 920 | 125 |
| 16 | 1600 | 900 | 900 | 1028 | 175 |
| 18 | 1800 | 1100 | 1120 | 1248 | 290 |
| 20 | 2000 | 1200 | 1120 | 1248 | 330 |
| 22 | 2200 | 1400 | 1120 | 1248 | 450 |
| 24 | 2400 | 1600 | 1370 | 1570 | 595 |
| 26 | 2600 | 1600 | 1700 | 1900 | 645 |
| 30 | 3000 | 2000 | 1900 | 2100 | 770 |



$$L_T = \frac{\pi NP (B + PD)}{1000}$$

$$P = \frac{F - B - 2E}{2D}$$

$$N = 0.95 \frac{T}{D}$$

L_T = Length of Cable (m)

F = Flange Dia. (mm)

B = Barrel Dia. (mm)

D = Cable Dia. (mm)

T = Traverse (mm)

E = Empty Space (mm)

