

## PVC Insulated and PVC Sheathed CU / PVC / PVC Unarmoured Cables



**Standard** : IEC 60502-1

**Rated Voltage** : 0.6/1 KV

**Conductor** : Class 1 solid ( upon request) copper or class 2 stranded copper as per IEC 60228.

**Shape of Conductor** : Conductor shall be circular stranded non-compacted.

**Insulation** : PVC insulation type A as per IEC 60502-1 temperature rating 70 °C.

**Outer Sheath** : PVC outer sheath type ST1 as per IEC 60502-1.

**Applications** : For outdoor and indoor installations in damp and wet locations, connecting signaling and control units industry. They are laid in air, in duct, in trenches, in steel support brackets or direct in ground, when well protected.

Cross Section Area	Number of Cores	Nominal Outer Sheath Thickness	Approx. Overall Diameter*
mm <sup>2</sup>	No.	mm	mm
1.5	7	1.8	14
1.5	12	1.8	18
1.5	19	1.8	20
1.5	27	1.8	24
1.5	37	1.8	27
1.5	48	1.9	31
1.5	61	2.0	34

\* The Approx. overall diameter is subject to a tolerance of (-2/+8)%.

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Cross Section Area	Number of Cores	Nominal Outer Sheath Thickness	Approx. Overall Diameter*
mm <sup>2</sup>	No.	mm	mm
2.5	7	1.8	15
2.5	12	1.8	20
2.5	19	1.8	23
2.5	27	1.8	27
2.5	37	1.9	30
2.5	48	2.0	34
2.5	61	2.1	38

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Cross Section Area	Number of Cores	Nominal Outer Sheath Thickness	Approx. Overall Diameter*
mm <sup>2</sup>	No.	mm	mm
4.0	7	1.8	18
4.0	12	1.8	23
4.0	19	1.8	27
4.0	27	1.9	33
4.0	37	2.1	37
4.0	48	2.2	42
4.0	61	2.4	46

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## PVC Insulated and PVC Sheathed CU / PVC / SWA / PVC Armoured Cables



**Standard** : IEC 60502-1, BS 6346

**Rated Voltage** : 0.6/1 KV

**Conductor** : Class 1 solid ( upon request) copper or class 2 stranded copper as per IEC 60228, BS EN 60228.

**Shape of Conductor** : Conductor shall be circular stranded non-compacted.

**Insulation** : PVC insulation type A as per IEC 60502-1, or type T11 as per BS EN 50363 temperature rating 70 °C.

**Armour** : Galvanized steel wires applied helically as per IEC 60502-1 or BS 6346.

**Outer Sheath** : PVC outer sheath type ST1 as per IEC 60502-1 or type TM1 as per BS EN 50363.

**Applications** : For outdoor installations in damp and wet locations, laid direct in the ground where excessive mechanical stress is requested. They are normally used in connecting signaling and control units in industry.

Cross Section Area	Number of Cores	Nominal Steel Wire Diameter	Nominal Outer Sheath Thickness	Approx. Overall Diameter*
mm <sup>2</sup>	No.	mm	mm	mm
1.5	7	0.8	1.8	18
1.5	12	1.25	1.8	22
1.5	19	1.6	1.8	26
1.5	27	1.6	1.8	29
1.5	37	1.6	1.9	32
1.5	48	2.0	2.0	37
1.5	61	2.0	2.1	40

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## PVC Insulated and PVC Sheathed CU / PVC / SWA / PVC Armoured Cables



**Standard** : IEC 60502-1, BS 6346

**Rated Voltage** : 0.6/1 KV

**Conductor** : Class 1 solid ( upon request) copper or class 2 stranded copper as per IEC 60228, BS EN 60228.

**Shape of Conductor** : Conductor shall be circular stranded non-compacted.

**Insulation** : PVC insulation type A as per IEC 60502-1, or type T11 as per BS EN 50363 temperature rating 70 °C.

**Armour** : Galvanized steel wires applied helically as per IEC 60502-1 or BS 6346.

**Outer Sheath** : PVC outer sheath type ST1 as per IEC 60502-1 or type TM1 as per BS EN 50363.

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mm <sup>2</sup>	No.	mm	mm	mm
2.5	7	1.25	1.8	20
2.5	12	1.25	1.8	24
2.5	19	1.6	1.8	28
2.5	27	1.6	1.9	32
2.5	37	1.6	2.0	36
2.5	48	2.0	2.1	41
2.5	61	2.0	2.2	44

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4.0	7	1.25	1.8	23
4.0	12	1.6	1.8	29
4.0	19	1.6	1.9	33
4.0	27	2.0	2.1	39
4.0	37	2.0	2.2	43
4.0	48	2.5	2.4	50
4.0	61	2.5	2.6	55

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## XLPE Insulated and PVC Sheathed CU / XLPE / PVC Unarmoured Cables



**Standard** : IEC 60502-1

**Rated Voltage** : 0.6/1 KV

**Conductor** : Class 1 solid ( upon request) copper or class 2 stranded copper as per IEC 60228.

**Shape of Conductor** : Conductor shall be circular stranded non-compacted.

**Insulation** : Cross-linked polyethylene (XLPE) insulation as per IEC 60502-1 temperature rating 90 °C.

**Outer Sheath** : PVC outer sheath type ST2 as per IEC 60502-1.

**Applications** : For outdoor and indoor installations in damp and wet locations, connecting signaling and control units industry. They are laid in air, in duct, in trenches, in steel support brackets or direct in ground, when well protected.

Cross Section Area	Number of Cores	Nominal Outer Sheath Thickness	Approx. Overall Diameter*
mm <sup>2</sup>	No.	mm	mm
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1.5	27	1.8	23
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4.0	37	1.9	32
4.0	48	2.1	37
4.0	61	2.2	41

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## XLPE Insulated and PVC Sheathed CU / XLPE / SWA /PVC Armoured Cables



**Standard** : IEC 60502-1, BS 5467

**Rated Voltage** : 0.6/1 KV

**Conductor** : Class 1 solid ( upon request) copper or class 2 stranded copper as per IEC 60228, BS EN 60228.

**Shape of Conductor** : Conductor shall be circular stranded non-compacted.

**Insulation** : Cross-linked polyethylene (XLPE) insulation as per IEC 60502-1, GP 8 as per BS 7655 temperature rating 90 °C.

**Armour** : Galvanized steel wires applied helically as per IEC 60502-1 or BS 5467.

**Outer Sheath** : PVC outer sheath type ST2 as per IEC 60502-1 or type 9 as per BS EN 50363.

**Applications** : For outdoor installations in damp and wet locations, laid direct in the ground where excessive mechanical stress is requested. They are normally used in connecting signaling and control units in industry.

Cross Section Area	Number of Cores	Nominal Steel Wire Diameter	Nominal Outer Sheath Thickness	Approx. Overall Diameter*
mm <sup>2</sup>	No.	mm	mm	mm
1.5	7	0.8	1.8	17
1.5	12	1.25	1.8	21
1.5	19	1.25	1.8	24
1.5	27	1.6	1.8	28
1.5	37	1.6	1.8	30
1.5	48	1.6	1.9	34
1.5	61	2.0	2.1	38

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**Shape of Conductor** : Conductor shall be circular stranded non-compacted.

**Insulation** : Cross-linked polyethylene (XLPE) insulation as per IEC 60502-1, GP 8 as per BS 7655 temperature rating 90 °C.

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2.5	27	1.60	1.8	31
2.5	37	1.60	1.9	34
2.5	48	2.00	2.1	39
2.5	61	2.00	2.2	42

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4.0	27	1.60	1.9	34
4.0	37	2.00	2.1	39
4.0	48	2.00	2.2	44
4.0	61	2.00	2.3	48