

## CABLES

Type: XLPE / PVC 0.6/1 kV

Document No.: 08-200-R2

Sheet: 1 of 1

German Cathodic Protection



### SINGLE CORE (Cu/XLPE/PVC) Cables 0.6/1 kV



Conductors: Copper circular stranded  
 Insulation: XLPE  
 Sheath/Jacket: PVC (Polyvinylchloride)  
 Colour: Black  
 Operating temperature: Maximum 90°C  
 Short circuit temperature: Maximum 250°C  
 Standard: Cables up to and including 35 mm<sup>2</sup>  
 IEC 502 -1994  
 All cables other conform generally to  
 BS 5467 - 1997 and IEC 60502

Cores and Cross-sectional area	Thickness of Insulation	Thickness of Outer sheath	Approx. Overall Diameter	DC Resistance at 20° C	Current Capacity at 20° C	Approx. Cable Weight
mm <sup>2</sup>	mm	mm	mm	Ohm/km	A	kg/km
1 x 16	0.7	1.4	9.5	1.150	105	215
1 x 25	0.9	1.4	11.0	0.727	140	310
1 x 35	0.9	1.4	12.0	0.524	174	410
1 x 50	1.0	1.4	13.5	0.387	212	540
1 x 70	1.1	1.4	15.5	0.268	269	745
1 x 95	1.1	1.4	17.5	0.193	331	1 010
1 x 120	1.2	1.5	19.0	0.153	386	1 250
1 x 150	1.4	1.6	21.0	0.124	442	1 535
1 x 185	1.6	1.6	23.5	0.099	511	1 910
1 x 240	1.7	1.7	26.0	0.074	612	2 470
1 x 300	1.8	1.8	28.5	0.059	707	3 080

### TWO CORE (Cu/XLPE/PVC) Cables 0.6/1 kV



Conductors: Copper circular stranded  
 Insulation: XLPE  
 Sheath/Jacket: PVC (Polyvinylchloride)  
 Colour: Black  
 Operating temperature: Maximum 90°C  
 Short circuit temperature: Maximum 250°C  
 Standard: BS 5467 - 1997 and IEC 60502

Cores and Cross-sectional area	Thickness of Insulation	Thickness of Outer sheath	Approx. Overall Diameter	DC Resistance at 20° C	Current Capacity at 20° C	Approx. Cable Weight
mm <sup>2</sup>	mm	mm	mm	Ohm/km	A	kg/km
2 x 4	0.7	1.8	13.0	4.610	34	240
2 x 6	0.7	1.8	14.2	3.080	43	300
2 x 10	0.7	1.8	15.6	1.830	105	405
2 x 16	0.7	1.8	17.8	1.150	120	565
2 x 25	0.9	1.8	21.0	0.727	160	825
2 x 35	0.9	1.8	23.2	0.524	200	1 070
2 x 50	1.0	1.8	26.3	0.387	240	1 240
2 x 70	1.1	1.8	29.3	0.268	260	1 700
2 x 95	1.1	1.9	33.9	0.193	320	2 280
2 x 120	1.2	2.0	37.5	0.153	370	2 830
2 x 150	1.4	2.2	41.5	0.099	430	3 510

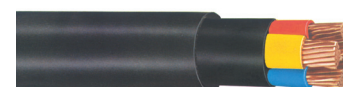
### THREE CORE (Cu/XLPE/PVC) Cables 0.6/1 kV



Conductors: Copper circular stranded  
 Insulation: XLPE  
 Sheath/Jacket: PVC (Polyvinylchloride)  
 Colour: Black  
 Operating temperature: Maximum 90°C  
 Short circuit temperature: Maximum 250°C  
 Standard: Cables up to and including 10 mm<sup>2</sup>  
 IEC 502 -1994  
 All cables other conform generally to  
 BS 5467 - 1997 and IEC 60502

Cores and Cross-sectional area	Thickness of Insulation	Thickness of Outer sheath	Approx. Overall Diameter	DC Resistance at 20° C	Current Capacity at 20° C	Approx. Cable Weight
mm <sup>2</sup>	mm	mm	mm	Ohm/km	A	kg/km
3 x 10	0.7	1.8	16.5	1.830	74	500
3 x 16	0.7	1.8	18.9	1.150	105	705
3 x 25	0.9	1.8	19.9	0.727	140	955
3 x 35	0.9	1.8	22.3	0.524	174	1 250
3 x 50	1.0	1.8	25.5	0.387	212	1 610
3 x 70	1.1	1.9	28.2	0.268	269	2 230
3 x 95	1.1	2.0	32.2	0.193	331	3 000
3 x 120	1.2	2.1	35.8	0.153	386	3 750
3 x 150	1.4	2.2	39.0	0.124	442	4 640
3 x 185	1.6	2.4	43.6	0.099	511	5 730
3 x 240	1.7	2.6	49.6	0.075	612	7 360

### FOUR CORE (Cu/XLPE/PVC) Cables 0.6/1 kV



Conductors: Copper circular stranded  
 Insulation: XLPE  
 Sheath/Jacket: PVC (Polyvinylchloride)  
 Colour: Black  
 Operating temperature: Maximum 90°C  
 Short circuit temperature: Maximum 250°C  
 Standard: Cables up to and including 16 mm<sup>2</sup>  
 IEC 502 -1994  
 All cables other conform generally to  
 BS 5467 - 1997 and IEC 60502

Cores and Cross-sectional area	Thickness of Insulation	Thickness of Outer sheath	Approx. Overall Diameter	DC Resistance at 20° C	Current Capacity at 20° C	Approx. Cable Weight
mm <sup>2</sup>	mm	mm	mm	Ohm/km	A	kg/km
4 x 10	0.7	1.8	17.9	1.830	74	615
4 x 16	0.7	1.8	20.6	1.150	105	880
4 x 25	0.9	1.8	22.0	0.727	140	1 220
4 x 35	0.9	1.8	25.4	0.524	174	1 620
4 x 50	1.0	1.8	28.3	0.387	212	2 100
4 x 70	1.1	1.9	32.1	0.268	269	2 930
4 x 95	1.1	2.0	36.3	0.193	331	3 950
4 x 120	1.2	2.1	39.7	0.153	386	4 920
4 x 150	1.4	2.2	44.8	0.124	442	6 150
4 x 185	1.6	2.4	49.7	0.099	511	7 600
4 x 240	1.7	2.6	54.8	0.075	612	9 730