

## KATHODICA™ CABLES - XLPE/PVC/SWA/PVC

**SPECIFICATION** Overall cable based on IEC 502

**Conductor:** Circular stranded conductor of plain annealed copper wires, conductor complies with IEC 228 Class 2

**Insulation:** Extruded Cross Link Polyethylene complying with IEC 502

**Bedding:** Extruded PVC complying with IEC 502, Type ST.1

**Armour:** Layer of round galvanised steel wires

**Sheath:** Extruded PVC complying with IEC 502, Type ST.1

### TECHNICAL DATA

	mm <sup>2</sup>	2.5	4	6	10	16	25	35	50	70	95
Nom area of conductors	mm <sup>2</sup>	2.5	4	6	10	16	25	35	50	70	95
Max conductor dc resistance at 20°C	ohm /km	7.41	4.61	3.08	1.83	1.15	0.727	0.524	0.387	0.268	0.19
Number of wires & dia. before stranding	No.	7	7	7	7	7	7	19	19	19	19
	mm	0.61	0.85	1.04	1.35	1.70	2.14	1.53	1.78	2.14	2.52
Nom. conductor dia	mm	2.01	2.55	3.12	4.05	5.10	6.42	7.65	8.90	10.70	12.6
Nom insulation thickness	mm	0.70	0.70	0.70	0.70	0.70	0.90	0.90	1.00	1.10	1.10
Nominal bedding thickness	mm	0.60	0.60	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80
Nominal diameter over bedding	mm	4.80	5.30	6.10	7.10	8.30	10.00	11.30	12.80	14.80	16.8
Number and diameter of armour wires	No.	18	20	23	26	29	35	39	32	37	32
	mm	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.25	1.25	1.60
Nominal diameter over armour	mm	6.60	7.10	7.90	8.90	10.10	11.80	13.10	15.30	17.30	20.0
Nominal sheath thickness	mm	1.20	1.20	1.30	1.30	1.40	1.40	1.50	1.50	1.50	1.60
Nominal cable weight	kg/km	179	210	260	325	420	547	700	960	1235	1682
Nominal overall diameter	mm	9.10	9.60	10.60	11.60	13.10	14.80	16.30	18.50	21.00	23.50

XLPE/PVC/SWA/PVC cable is part of the CCEL "KATHODICA" range of cables. Further details are available upon request.



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