

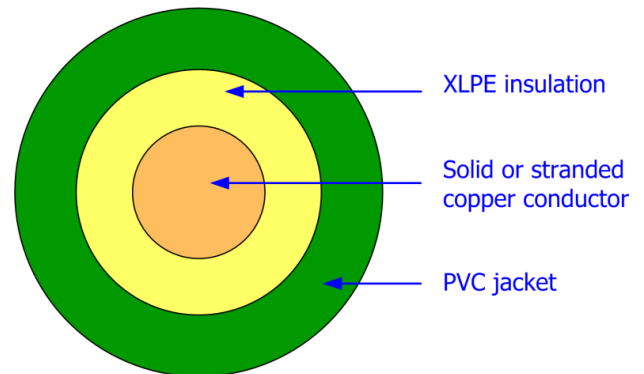
# Single Core XLPE Insulation and PVC Jacketed Cables (N2XY)



Document 1002

## Applications

- For use in lighting and energy networks as installation cables internally, externally or underground
- In single or three phase system, not exceeding 600 V between phase and ground
- Where maximum conductor temperature does not exceed 90°C during continuous normal operation



## Standards

- IS 1516-1
- IEC 60502-1
- All cables are approved by the Standards Institute of Israel – see certifications

## Construction

- **Conductor:** copper, class 1 (solid) or 2 (stranded) according to IEC 60228.
- **Insulation:** XLPE
- **Jacket:** PVC compound green, compatible with XPLE insulation.

## Cable Codes and Technical Parameters

Part Number	Structure	Min. no. of wires in conductor	Nominal diameter	Nominal weight
	No. x mm <sup>2</sup>		mm	kg/km
1260104	1x4	1	7	73
1280104	1x6	1	8	95
1300104	1x10	6	9	145
1320104	1x16	6	10	205
1340104	1x25	6	11	300
1380104	1x35	6	12	390
1400104	1x50	6	13	515
1440104	1x70	12	15	710
1460104	1x95	15	17	960
1480104	1x120	18	19	1200
1500104	1x150	18	21	1500
1520130	1x185	30	23	1850
1560104	1x240	34	26	2380
1580104	1x300	34	28	3000
1600104	1x400	34	32	3800

Yair Duchovni Cables, POB 25008, 17 Hamashbir St. Haifa 3125001 Israel

Tel. +972-4-881-8400, Fax +972-4-881-8410

Website: [www.yadu.co.il](http://www.yadu.co.il) | E-Mail: [info@yadu.co.il](mailto:info@yadu.co.il)

# Single Core XLPE Insulation and PVC Jacketed Cables (N2XY)



Document 1002

## Electrical Parameters

Part Number	Structure	Conductor DC resistance @ 20°C	Current carrying capacity @ 30°C			
			Air Trefoil formation	Air Flat formation	Earth Trefoil formation	Earth Flat formation
	No. x mm <sup>2</sup>	Ω/km	A	A	A	A
1260104	1x4	4.61	44	57	54	82
1280104	1x6	3.08	56	72	67	102
1300104	1x10	1.83	77	99	89	136
1320104	1x16	1.15	102	131	115	176
1340104	1x25	0.727	138	177	148	229
1380104	1x35	0.524	170	217	177	275
1400104	1x50	0.387	207	265	209	326
1440104	1x70	0.268	263	336	256	400
1460104	1x95	0.193	325	415	307	480
1480104	1x120	0.153	380	485	349	548
1500104	1x150	0.124	437	557	393	616
1520130	1x185	0.0991	507	646	445	698
1560104	1x240	0.0754	604	774	517	815
1580104	1x300	0.0601	697	901	663	927
1600104	1x400	0.047	811	1060	749	1064

### Additional parameters

- Nominal voltage 0.6/1 kV
- Flame retardant behavior FR1 (per IEC 60332-1)
- Maximum conductor temperature: 90°C
- Maximum conductor temperature at short circuit: 250°C
- Minimum bending radius: 15 x cable diameter
- Minimum installation temperature: -5°C
- Service temperature: -20...+90°C

Yair Duchovni Cables reserves the right to modify the products described in this data sheet without prior notice

Yair Duchovni Cables, POB 25008, 17 Hamashbir St. Haifa 3125001 Israel

Tel. +972-4-881-8400, Fax +972-4-881-8410

Website: [www.yadu.co.il](http://www.yadu.co.il) | E-Mail: [info@yadu.co.il](mailto:info@yadu.co.il)

