

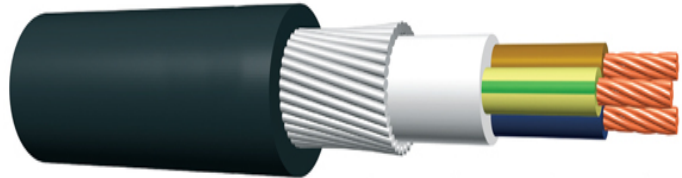
# N2XB(R)Y: Low Voltage Steel Wire Armored Multi-core Copper Cables, XLPE Insulation and PVC Jacket



Document 1006

## Applications

- For use in harsh environment, under or above ground, such as industrial plants or power centers
- For three phase system, not exceeding 600 V between phase and ground.
- Where maximum continuous conductor temperature does not exceed 90°C
- Max rated voltage 0.6/1.0 kV



## Standards

- SII 1516-1
- IEC 60502-1
- IEC 60332-1
- Certified by the Standards Institute of Israel

## Construction

Conductor	copper or aluminum, class 1 or 2 according to IEC 60228.
Insulation	XLPE
Color code	See table below
Cabling	The cores stranded together
Inner covering and filler	PVC. Thickness per SI 1516-1
Metallic armor	Round galvanized steel wires having the nominal diameters according SII 1516-1
Jacket	PVC type ST2 per IEC 60502. Jacket thickness per IEC 60502. Color: Green

### Core coloring identification according Israeli Law

No. of cores	Cable with ground conductor	Cable without grounding conductor
3	Brown – Blue - Yellow/green	Brown - Brown with black stripe - Brown with orange stripe
4	Brown - Brown with black stripe - Brown with orange stripe - Yellow/green	Brown - Brown with black stripe - Brown with orange stripe – Blue
5	Brown - Brown with black stripe - Brown with orange stripe – Blue - Yellow/green	-

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)

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## Technical Parameters

Rated voltage	0.6/1.0 kV
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 to 90°C
Flame propagation	Per IEC 60332-1

## Electrical and Mechanical Properties

Catalog Number	Construction No. x mm <sup>2</sup>	Nominal diameter mm	Nominal Cable weight kg/km	DC resistance @ 20°C Ω/km	Current carrying capacity @ 30°C	
					In air A	Buried A
1180352	3x1.5	13.6	393	12.1	24	31
1220352	3x2.5	14.6	452	7.41	32	40
1260352	3x4	16.5	685	4.61	42	52
1280352	3x6	17.5	800	3.08	53	64
1300352	3x10	20.5	1076	1.83	74	86
1320352	3x16	23.2	1527	1.15	98	112
1180452	4x1.5	14.6	442	12.1	24	31
1220452	4x2.5	16.5	660	7.41	32	40
1260452	4x4	17.5	770	4.61	42	52
1280452	4x6	18.5	905	3.08	53	64
1300452	4x10	23.2	1437	1.83	74	86
1320452	4x16	25.1	1804	1.15	98	112
1340452	4x25	28.3	2368	0.727	133	145
1380452	4x35	31.5	2949	0.524	162	174
1400452	4x50	36.9	4091	0.387	197	206
1440452	4x70	42.0	5343	0.268	250	254
1460452	4x95	46.9	7191	0.193	308	305
1480452	4x120	51.4	8659	0.153	359	348
1500452	4x150	56.4	10314	0.124	412	392
1520452	4x185	61.7	12386	0.0991	475	444
1560452	4x240	68.8	15413	0.0754	564	517
1580452	4x300	77.4	20035	0.0601	649	585

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

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**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)**