

# SINGLE CORE XLPE INSULATED, PVC SHEATHED POWER CABLES (0.6/1kV) N2XY



**CONSTRUCTION:**

Conductor: solid or stranded copper  
Insulation: XLPE  
Outer sheath: PVC (UV resistant)

**ABBREVIATION:**

Cu/XLPE/PVC

**STANDARD:**

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance (trefoil)
					DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
1x1.5 RE	0.7	1.4	5.6	45	12.1	15.4	0.458
1x1.5 RM	0.7	1.4	5.8	47	12.1	15.4	0.458
1x2.5 RE	0.7	1.4	5.9	57	7.41	9.45	0.439
1x2.5 RM	0.7	1.4	6.2	58	7.41	9.45	0.439
1x4 RE	0.7	1.4	6.4	75	4.61	5.88	0.420
1x4 RM	0.7	1.4	6.7	75	4.61	5.88	0.420
1x6 RE	0.7	1.4	6.9	95	3.08	3.93	0.394
1x6 RM	0.7	1.4	7.3	101	3.08	3.93	0.394
1x10 RE	0.7	1.4	7.7	136	1.83	2.33	0.366
1x10 RM	0.7	1.4	8.2	144	1.83	2.33	0.366
1x16 RM	0.7	1.4	9.2	200	1.15	1.47	0.341
1x25 RM	0.9	1.4	11	297	0.727	0.923	0.325
1x35 RM	0.9	1.4	12	402	0.524	0.668	0.311
1x50 RM	1	1.4	13.5	508	0.387	0.494	0.302
1x70 RM	1.1	1.5	16	717	0.268	0.342	0.291
1x95 RM	1.1	1.6	18	970	0.193	0.247	0.284
1x120 RM	1.2	1.6	19.5	1227	0.153	0.196	0.279
1x150 RM	1.4	1.7	22	1490	0.124	0.160	0.279
1x185 RM	1.6	1.8	24.5	1880	0.0991	0.128	0.278
1x240 RM	1.7	1.9	27	2396	0.0754	0.0990	0.273
1x300 RM	1.8	2	30	3020	0.0601	0.0802	0.269
1x400 RM	2	2.1	33.5	3895	0.0470	0.0627	0.262
1x500 RM	2.2	2.2	37.5	5040	0.0366	0.0488	0.255
1x630 RM	2.4	2.3	42	6280	0.0283	0.0377	0.246
1x800 RM	2.6	2.5	46.5	7830	0.0221	0.0294	0.234
1x1000 RM	2.8	2.6	52	9815	0.0176	0.0234	0.219

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite over sheath.

# 2 CORE XLPE INSULATED, PVC SHEATHED POWER CABLES (0.6/1kV) N2XY



**CONSTRUCTION:**

Conductor: solid or stranded copper  
 Insulation: XLPE  
 Inner sheath: PVC  
 Outer sheath: PVC (UV resistant)

**ABBREVIATION:**

Cu/XLPE/PVC

**STANDARD:**

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
2x1.5 RE	0.7	1.8	11	170	12.1	15.4	0.329
2x1.5 RM	0.7	1.8	11.5	180	12.1	15.4	0.329
2x2.5 RE	0.7	1.8	12	205	7.41	9.45	0.305
2x2.5 RM	0.7	1.8	12.5	215	7.41	9.45	0.305
2x4 RE	0.7	1.8	13	257	4.61	5.88	0.285
2x4 RM	0.7	1.8	13.5	264	4.61	5.88	0.285
2x6 RE	0.7	1.8	14	310	3.08	3.93	0.271
2x6 RM	0.7	1.8	14.5	336	3.08	3.93	0.271
2x10 RE	0.7	1.8	15.5	425	1.83	2.33	0.255
2x10 RM	0.7	1.8	16.5	456	1.83	2.33	0.255
2x16 RM	0.7	1.8	18.5	618	1.15	1.47	0.243
2x25 RM	0.9	1.8	22	902	0.727	0.927	0.242
2x35 RM	0.9	1.8	24	1183	0.524	0.669	0.234
2x50 RM	1	1.8	27	1516	0.387	0.494	0.232
2x70 RM	1.1	2	32	2135	0.268	0.342	0.229
2x95 RM	1.1	2.1	36	2813	0.193	0.247	0.224
2x120 RM	1.2	2.2	39.5	3500	0.153	0.196	0.223
2x150 RM	1.4	2.4	44.5	4352	0.124	0.160	0.224
2x185 RM	1.6	2.5	49	5410	0.0991	0.128	0.225
2x240 RM	1.7	2.8	55.5	6926	0.0754	0.0988	0.222
2x300 RM	1.8	2.9	61	8604	0.0601	0.0787	0.218

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite over sheath.

# 3 CORE XLPE INSULATED, PVC SHEATHED POWER CABLES (0.6/1kV) N2XY



## CONSTRUCTION:

Conductor: solid or stranded copper  
 Insulation: XLPE  
 Inner sheath: PVC (except sector shaped cables)  
 Outer sheath: PVC (UV resistant)

## ABBREVIATION:

Cu/XLPE/PVC

## STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

## DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
3x1.5 RE	0.7	1.8	11.5	188	12.1	15.4	0.329
3x1.5 RM	0.7	1.8	12	197	12.1	15.4	0.329
3x2.5 RE	0.7	1.8	12.5	230	7.41	9.45	0.305
3x2.5 RM	0.7	1.8	13	240	7.41	9.45	0.305
3x4 RE	0.7	1.8	13.5	297	4.61	5.88	0.285
3x4 RM	0.7	1.8	14	300	4.61	5.88	0.285
3x6 RE	0.7	1.8	14.5	367	3.08	3.93	0.271
3x6 RM	0.7	1.8	15.5	395	3.08	3.93	0.271
3x10 RE	0.7	1.8	16	510	1.83	2.33	0.255
3x10 RM	0.7	1.8	17.5	547	1.83	2.33	0.255
3x16 RM	0.7	1.8	19.5	760	1.15	1.47	0.243
3x25 RM	0.9	1.8	23	1110	0.727	0.927	0.242
3x35 RM	0.9	1.8	25.5	1475	0.524	0.669	0.234
3x50 SM	1	1.8	23	1500	0.387	0.494	0.232
3x70 SM	1.1	1.8	27	2167	0.268	0.342	0.229
3x95 SM	1.1	1.9	30.5	2937	0.193	0.247	0.224
3x120 SM	1.2	2.1	35	3630	0.153	0.196	0.223
3x150 SM	1.4	2.2	38	4390	0.124	0.160	0.224
3x185 SM	1.6	2.3	42.5	5480	0.0991	0.128	0.225
3x240 SM	1.7	2.5	48	7025	0.0754	0.0988	0.222
3x300 SM	1.8	2.7	53.5	8890	0.0601	0.0787	0.218

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite over sheath.

# 3 1/2 CORE XLPE INSULATED, PVC SHEATHED POWER CABLES (0.6/1kV) N2XY



**CONSTRUCTION:**

Conductor: stranded copper  
 Insulation: XLPE  
 Inner sheath: PVC (except sector shaped cables)  
 Outer sheath: PVC (UV resistant)

**ABBREVIATION:**

Cu/XLPE/PVC

**STANDARD:**

IEC 60502-1, IEC 60228, IEC 60332

## DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
3x25+16 RM	0.9/0.7	1.8	24	1250	0.727/1.15	0.927/1.47	0.258
3x35+16 RM	0.9/0.7	1.8	26.5	1585	0.524/1.15	0.669/1.47	0.247
3x50+25 SM/RM	1/0.9	1.8	26	1760	0.387/0.727	0.494/0.927	0.248
3x70+35 SM/RM	1.1/0.9	1.9	29.5	2530	0.268/0.524	0.342/0.669	0.243
3x95+50 SM	1.1/1	2	33	3440	0.193/0.387	0.247/0.494	0.239
3x120+70 SM	1.2/1.1	2.1	37	4320	0.153/0.268	0.196/0.342	0.239
3x150+70 SM	1.4/1.1	2.3	41.5	5100	0.124/0.268	0.160/0.342	0.237
3x185+95 SM	1.6/1.1	2.4	44.5	6450	0.0991/0.193	0.128/0.247	0.239
3x240+120 SM	1.7/1.2	2.6	50	8300	0.0754/0.153	0.0985/0.196	0.236
3x300+150 SM	1.8/1.4	2.8	56	10300	0.0601/0.124	0.0802/0.160	0.232

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite over sheath.

# 4 CORE XLPE INSULATED, PVC SHEATHED POWER CABLES (0.6/1kV) N2XY



**CONSTRUCTION:**

Conductor: solid or stranded copper  
 Insulation: XLPE  
 Inner sheath: PVC (except sector shaped cables)  
 Outer sheath: PVC (UV resistant)

**ABBREVIATION:**

Cu/XLPE/PVC

**STANDARD:**

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
4x1.5 RE	0.7	1.8	12.5	214	12.1	15.4	0.352
4x1.5 RM	0.7	1.8	13	224	12.1	15.4	0.352
4x2.5 RE	0.7	1.8	13.3	270	7.41	9.45	0.328
4x2.5 RM	0.7	1.8	14	280	7.41	9.45	0.328
4x4 RE	0.7	1.8	14.5	350	4.61	5.88	0.308
4x4 RM	0.7	1.8	15	355	4.61	5.88	0.308
4x6 RE	0.7	1.8	15.5	437	3.08	3.93	0.294
4x6 RM	0.7	1.8	16.5	470	3.08	3.93	0.294
4x10 RE	0.7	1.8	17.5	627	1.83	2.33	0.278
4x10 RM	0.7	1.8	18.5	665	1.83	2.33	0.278
4x16 RM	0.7	1.8	21	930	1.15	1.47	0.266
4x25 RM	0.9	1.8	25	1372	0.727	0.927	0.265
4x35 RM	0.9	1.9	28	1850	0.524	0.669	0.258
4x50 SM	1	1.8	27	1975	0.387	0.494	0.255
4x70 SM	1.1	1.9	30.5	2857	0.268	0.342	0.252
4x95 SM	1.1	2.1	34	3890	0.193	0.247	0.247
4x120 SM	1.2	2.2	39.5	4795	0.153	0.196	0.246
4x150 SM	1.4	2.3	42.5	5796	0.124	0.159	0.247
4x185 SM	1.6	2.4	46	7218	0.0991	0.128	0.248
4x240 SM	1.7	2.8	55.5	9345	0.0754	0.0984	0.245
4x300 SM	1.8	2.9	59	11750	0.0601	0.0784	0.241

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite over sheath.

# 5 CORE XLPE INSULATED, PVC SHEATHED POWER CABLES (0.6/1kV) N2XY



**CONSTRUCTION:**

Conductor: solid or stranded copper  
 Insulation: XLPE  
 Inner sheath: PVC (except sector shaped cables)  
 Outer sheath: PVC (UV resistant)

**ABBREVIATION:**

Cu/XLPE/PVC

**STANDARD:**

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
					DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
5x1.5 RE	0.7	1.8	13	253	12.1	15.4	0.361
5x1.5 RM	0.7	1.8	14	262	12.1	15.4	0.361
5x2.5 RE	0.7	1.8	14.5	317	7.41	9.45	0.337
5x2.5 RM	0.7	1.8	15	330	7.41	9.45	0.337
5x4 RE	0.7	1.8	15.5	420	4.61	5.88	0.317
5x4 RM	0.7	1.8	16	423	4.61	5.88	0.317
5x6 RE	0.7	1.8	16.5	530	3.08	3.93	0.303
5x6 RM	0.7	1.8	18	570	3.08	3.93	0.303
5x10 RE	0.7	1.8	19	757	1.83	2.33	0.287
5x10 RM	0.7	1.8	20	810	1.83	2.33	0.287
5x16 RM	0.7	1.8	23	1142	1.15	1.47	0.275
5x25 RM	0.9	1.9	28	1700	0.727	0.927	0.257
5x35 RM	0.9	2	31.5	2340	0.524	0.669	0.237

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite over sheath.

# SINGLE CORE XLPE INSULATED, PVC SHEATHED WIRE ARMORED POWER CABLES (0.6/1kV) N2XYRY



## CONSTRUCTION:

Conductor: solid or stranded copper  
Insulation: XLPE  
Inner sheath: PVC

Armor: aluminum wires  
Outer sheath: PVC (UV resistant)

## ABBREVIATION:

Cu/XLPE/AWA/PVC

## STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

## DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor wire diameter	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
1x50 RM	1	1.25	1.8	19.5	800	0.387	0.494	0.302
1x70 RM	1.1	1.60	1.8	22	1040	0.268	0.342	0.291
1x95 RM	1.1	1.60	1.8	24	1317	0.193	0.247	0.284
1x120 RM	1.2	1.60	1.8	25.5	1600	0.153	0.196	0.279
1x150 RM	1.4	1.60	1.9	28	1902	0.124	0.160	0.279
1x185 RM	1.6	1.60	2	30.5	2330	0.0991	0.128	0.278
1x240 RM	1.7	2	2.1	33.5	2970	0.0754	0.0990	0.273
1x300 RM	1.8	2	2.2	37	3650	0.0601	0.0802	0.269
1x400 RM	2	2	2.3	40.5	4593	0.0470	0.0627	0.262
1x500 RM	2.2	2.5	2.5	46	5970	0.0366	0.0488	0.255
1x630 RM	2.4	2.5	2.6	50.5	7366	0.0283	0.0377	0.246
1x800 RM	2.6	2.5	2.7	55	9035	0.0221	0.0294	0.234
1x1000 RM	2.8	2.5	2.9	60.5	11195	0.0176	0.0234	0.219

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.

# 2 CORE XLPE INSULATED, PVC SHEATHED WIRE ARMORED POWER CABLES (0.6/1kV) N2XYRY



#### CONSTRUCTION:

Conductor: solid or stranded copper  
Insulation: XLPE  
Inner sheath: PVC

Armor: galvanized steel wires  
Outer sheath: PVC (UV resistant)

#### ABBREVIATION:

Cu/XLPE/SWA/PVC

#### STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor wire diameter	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	Mm	kg/km	Ω/km	Ω/km	mH/km
2x1.5 RE	0.7	0.9	1.8	13.5	331	12.1	15.4	0.329
2x1.5 RM	0.7	0.9	1.8	14	350	12.1	15.4	0.329
2x2.5 RE	0.7	0.9	1.8	14	381	7.41	9.45	0.305
2x2.5 RM	0.7	0.9	1.8	14.5	401	7.41	9.45	0.305
2x4 RE	0.7	0.9	1.8	15	450	4.61	5.88	0.285
2x4 RM	0.7	1.25	1.8	16.5	542	4.61	5.88	0.285
2x6 RE	0.7	1.25	1.8	16.5	595	3.08	3.93	0.271
2x6 RM	0.7	1.25	1.8	17.5	640	3.08	3.93	0.271
2x10 RE	0.7	1.25	1.8	18.5	745	1.83	2.33	0.255
2x10 RM	0.7	1.25	1.8	19.5	806	1.83	2.33	0.255
2x16 RM	0.7	1.60	1.8	22	1015	1.15	1.47	0.243
2x25 RM	0.9	1.60	1.8	25.5	1500	0.727	0.927	0.242
2x35 RM	0.9	1.60	1.9	28	1855	0.524	0.669	0.234
2x50 RM	1	1.60	2	31	2300	0.387	0.494	0.232
2x70 RM	1.1	2	2.1	36	3192	0.268	0.342	0.229
2x95 RM	1.1	2	2.3	40.5	4016	0.193	0.247	0.224
2x120 RM	1.2	2.5	2.4	45	5220	0.153	0.196	0.223
2x150 RM	1.4	2.5	2.6	50	6220	0.124	0.160	0.224
2x185 RM	1.6	2.5	2.7	55	7500	0.0991	0.128	0.225
2x240 RM	1.7	2.5	2.9	61	9190	0.0754	0.0988	0.222
2x300 RM	1.8	3.15	3.2	68.5	11920	0.0601	0.0787	0.218

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.



# 3 CORE XLPE INSULATED, PVC SHEATHED WIRE ARMORED POWER CABLES (0.6/1kV) N2XYRY



## CONSTRUCTION:

Conductor: solid or stranded copper  
Insulation: XLPE  
Inner sheath: PVC

Armor: galvanized steel wires  
Outer sheath: PVC (UV resistant)

## ABBREVIATION:

Cu/XLPE/SWA/PVC

## STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

## DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor wire diameter	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
3x1.5 RE	0.7	0.9	1.8	14	360	12.1	15.4	0.329
3x1.5 RM	0.7	0.9	1.8	14.5	378	12.1	15.4	0.329
3x2.5 RE	0.7	0.9	1.8	14.5	420	7.41	9.45	0.305
3x2.5 RM	0.7	0.9	1.8	15	438	7.41	9.45	0.305
3x4 RE	0.7	1.25	1.8	16.5	585	4.61	5.88	0.285
3x4 RM	0.7	1.25	1.8	17	600	4.61	5.88	0.285
3x6 RE	0.7	1.25	1.8	17.5	673	3.08	3.93	0.271
3x6 RM	0.7	1.25	1.8	18	720	3.08	3.93	0.271
3x10 RE	0.7	1.60	1.8	19	855	1.83	2.33	0.255
3x10 RM	0.7	1.60	1.8	21	921	1.83	2.33	0.255
3x16 RM	0.7	1.60	1.8	23	1292	1.15	1.47	0.243
3x25 RM	0.9	1.60	1.9	27	1766	0.727	0.927	0.242
3x35 RM	0.9	1.60	1.9	29.5	2201	0.524	0.669	0.234
3x50 SM	1	1.60	1.9	29	2357	0.387	0.494	0.232
3x70 SM	1.1	2	2	34	3400	0.268	0.342	0.229
3x95 SM	1.1	2	2.2	37.6	4334	0.193	0.247	0.224
3x120 SM	1.2	2	2.3	41.5	5186	0.153	0.196	0.223
3x150 SM	1.4	2.5	2.4	46	6495	0.124	0.160	0.224
3x185 SM	1.6	2.5	2.6	51	7890	0.0991	0.128	0.225
3x240 SM	1.7	2.5	2.8	56.6	9738	0.0754	0.0988	0.222
3x300 SM	1.8	2.5	3	62.5	12634	0.0601	0.0787	0.218

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.

# 3 1/2 CORE XLPE INSULATED, PVC SHEATHED WIRE ARMORED POWER CABLES (0.6/1kV) N2XYRY



#### CONSTRUCTION:

Conductor: stranded copper  
Insulation: XLPE  
Inner sheath: PVC

Armor: galvanized steel wires  
Outer sheath: PVC (UV resistant)

#### ABBREVIATION:

Cu/XLPE/SWA/PVC

#### STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor wire diameter	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
3x25+16 RM	0.9/0.7	1.6	1.8	27.5	1925	0.727/1.15	0.927/1.47	0.258
3x35+16 RM	0.9/0.7	1.6	1.9	30	2350	0.524/1.15	0.669/1.47	0.247
3x50+25 SM/RM	1/0.9	1.6	2	32	2755	0.387/0.727	0.494/0.927	0.248
3x70+35 SM/RM	1.1/0.9	2	2.1	36	3862	0.268/0.524	0.342/0.669	0.243
3x95+50 SM	1.1/1	2	2.2	40	4842	0.193/0.387	0.247/0.494	0.239
3x120+70 SM	1.2/1.1	2.5	2.4	45	6357	0.153/0.268	0.196/0.342	0.239
3x150+70 SM	1.4/1.1	2.5	2.6	50	7355	0.124/0.268	0.160/0.342	0.237
3x185+95 SM	1.6/1.1	2.5	2.7	53	8900	0.0991/0.193	0.128/0.247	0.239
3x240+120 SM	1.7/1.2	2.5	2.8	58	11060	0.0754/0.153	0.0985/0.196	0.236
3x300+150 SM	1.8/1.4	3.15	3.1	66	14220	0.0601/0.124	0.0802/0.160	0.232

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.

# 4 CORE XLPE INSULATED, PVC SHEATHED WIRE ARMORED POWER CABLES (0.6/1kV) N2XYRY



## CONSTRUCTION:

Conductor: solid or stranded copper  
Insulation: XLPE  
Inner sheath: PVC

Armor: galvanized steel wires  
Outer sheath: PVC (UV resistant)

## ABBREVIATION:

Cu/XLPE/SWA/PVC

## STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

## DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor wire diameter	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
4x1.5 RE	0.7	0.9	1.8	14.5	403	12.1	15.4	0.352
4x1.5 RM	0.7	1.25	1.8	16	493	12.1	15.4	0.352
4x2.5 RE	0.7	1.25	1.8	16	547	7.41	9.45	0.328
4x2.5 RM	0.7	1.25	1.8	17	570	7.41	9.45	0.328
4x4 RE	0.7	1.25	1.8	17.5	659	4.61	5.88	0.308
4x4 RM	0.7	1.25	1.8	18	673	4.61	5.88	0.308
4x6 RE	0.7	1.25	1.8	18.5	764	3.08	3.93	0.294
4x6 RM	0.7	1.25	1.8	19.5	826	3.08	3.93	0.294
4x10 RE	0.7	1.60	1.8	20.5	1000	1.83	2.33	0.278
4x10 RM	0.7	1.60	1.8	22	1186	1.83	2.33	0.278
4x16 RM	0.7	1.60	1.8	24.6	1512	1.15	1.47	0.266
4x25 RM	0.9	1.60	1.9	29	2090	0.727	0.927	0.265
4x35 RM	0.9	1.60	2	32	2660	0.524	0.669	0.258
4x50 SM	1	2	2	34	3212	0.387	0.494	0.255
4x70 SM	1.1	2	2.2	37.5	4260	0.268	0.342	0.252
4x95 SM	1.1	2	2.3	41	5430	0.193	0.247	0.247
4x120 SM	1.2	2.5	2.5	47.6	7015	0.153	0.196	0.246
4x150 SM	1.4	2.5	2.6	51	8220	0.124	0.159	0.247
4x185 SM	1.6	2.5	2.7	54	9822	0.0991	0.128	0.248
4x240 SM	1.7	3.15	3.1	66	13253	0.0754	0.0984	0.245
4x300 SM	1.8	3.15	3.2	69	15910	0.0601	0.0784	0.241

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.

# 5 CORE XLPE INSULATED, PVC SHEATHED WIRE ARMORED POWER CABLES (0.6/1kV) N2XYRY



## CONSTRUCTION:

Conductor: solid or stranded copper      Armor: galvanized steel wires  
Insulation: XLPE      Outer sheath: PVC (UV resistant)  
Inner sheath: PVC

## ABBREVIATION:

Cu/XLPE/SWA/PVC

## STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

## DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor wire diameter	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
5x1.5 RE	0.7	0.9	1.8	15.5	450	12.1	15.4	0.361
5x1.5 RM	0.7	1.25	1.8	16.5	550	12.1	15.4	0.361
5x2.5 RE	0.7	1.25	1.8	17	615	7.41	9.45	0.337
5x2.5 RM	0.7	1.25	1.8	18	648	7.41	9.45	0.337
5x4 RE	0.7	1.25	1.8	18.5	755	4.61	5.88	0.317
5x4 RM	0.7	1.25	1.8	19	770	4.61	5.88	0.317
5x6 RE	0.7	1.25	1.8	19.5	883	3.08	3.93	0.303
5x6 RM	0.7	1.25	1.8	21	853	3.08	3.93	0.303
5x10 RE	0.7	1.60	1.8	22.5	1175	1.83	2.33	0.287
5x10 RM	0.7	1.60	1.8	24	1374	1.83	2.33	0.287
5x16 RM	0.7	1.60	1.9	27	1780	1.15	1.47	0.275
5x25 RM	0.9	1.60	2	31.5	2500	0.727	0.927	0.257
5x35 RM	0.9	2	2.2	36	3426	0.524	0.669	0.237

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.

# SINGLE CORE XLPE INSULATED, PVC SHEATHED TAPE ARMORED POWER CABLES (0.6/1kV) N2XYBY



## CONSTRUCTION:

Conductor: solid or stranded copper  
Insulation: XLPE  
Inner sheath: PVC

Aarmor: aluminum double tape  
Outer sheath: PVC (UV resistant)

## ABBREVIATION:

Cu/XLPE/ATA/PVC

## STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

## DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor tape thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
1x50 RM	1	0.5	1.8	19	720	0.387	0.494	0.302
1x70 RM	1.1	0.5	1.8	21	947	0.268	0.342	0.291
1x95 RM	1.1	0.5	1.8	23	1213	0.193	0.247	0.284
1x120 RM	1.2	0.5	1.8	24.5	1483	0.153	0.196	0.279
1x150 RM	1.4	0.5	1.9	27	1773	0.124	0.160	0.279
1x185 RM	1.6	0.5	1.9	29	2190	0.0991	0.128	0.278
1x240 RM	1.7	0.5	2	32	2740	0.0754	0.0990	0.273
1x300 RM	1.8	0.5	2.1	35	3400	0.0601	0.0802	0.269
1x400 RM	2	0.5	2.2	38	4315	0.0470	0.0627	0.262
1x500 RM	2.2	0.5	2.4	42.5	5510	0.0366	0.0488	0.255
1x630 RM	2.4	0.5	2.5	47	6845	0.0283	0.0377	0.246
1x800 RM	2.6	0.5	2.6	52	8457	0.0221	0.0294	0.234
1x1000 RM	2.8	0.5	2.8	57.5	10558	0.0176	0.0234	0.219

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.

# 2 CORE XLPE INSULATED, PVC SHEATHED TAPE ARMORED POWER CABLES (0.6/1kV) N2XYBY



**CONSTRUCTION:**

Conductor: solid or stranded copper  
Insulation: XLPE  
Inner sheath: PVC

Armor: galvanized steel double tape  
Outer sheath: PVC (UV resistant)

**ABBREVIATION:**

Cu/XLPE/STA/PVC

**STANDARD:**

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor tape thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
2x1.5 RE	0.7	0.2	1.8	12.5	230	12.1	15.4	0.329
2x1.5 RM	0.7	0.2	1.8	13	240	12.1	15.4	0.329
2x2.5 RE	0.7	0.2	1.8	13	270	7.41	9.45	0.305
2x2.5 RM	0.7	0.2	1.8	13.5	282	7.41	9.45	0.305
2x4 RE	0.7	0.2	1.8	14	327	4.61	5.88	0.285
2x4 RM	0.7	0.2	1.8	14.5	335	4.61	5.88	0.285
2x6 RE	0.7	0.2	1.8	15	385	3.08	3.93	0.271
2x6 RM	0.7	0.2	1.8	16	415	3.08	3.93	0.271
2x10 RE	0.7	0.2	1.8	16.5	505	1.83	2.33	0.255
2x10 RM	0.7	0.2	1.8	17.5	542	1.83	2.33	0.255
2x16 RM	0.7	0.2	1.8	19.5	713	1.15	1.47	0.243
2x25 RM	0.9	0.2	1.8	23	1010	0.727	0.927	0.242
2x35 RM	0.9	0.2	1.8	25.5	1300	0.524	0.669	0.234
2x50 RM	1	0.2	1.9	28.5	1650	0.387	0.494	0.232
2x70 RM	1.1	0.2	2	33	2233	0.268	0.342	0.229
2x95 RM	1.1	0.5	2.2	38	3245	0.193	0.247	0.224
2x120 RM	1.2	0.5	2.3	42	3990	0.153	0.196	0.223
2x150 RM	1.4	0.5	2.5	47	4855	0.124	0.160	0.224
2x185 RM	1.6	0.5	2.6	51.5	5970	0.0991	0.128	0.225
2x240 RM	1.7	0.5	2.8	57.5	7477	0.0754	0.0988	0.222
2x300 RM	1.8	0.5	3	63.5	9245	0.0601	0.0787	0.218

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.

# 3 CORE XLPE INSULATED, PVC SHEATHED TAPE ARMORED POWER CABLES (0.6/1kV) N2XYBY



**CONSTRUCTION:**

Conductor: solid or stranded copper  
Insulation: XLPE  
Inner sheath: PVC

Armor: galvanized steel double tape  
Outer sheath: PVC (UV resistant)

**ABBREVIATION:**

Cu/XLPE/STA/PVC

**STANDARD:**

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor tape thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
3x1.5 RE	0.7	0.2	1.8	13	250	12.1	15.4	0.329
3x1.5 RM	0.7	0.2	1.8	13.5	265	12.1	15.4	0.329
3x2.5 RE	0.7	0.2	1.8	13.5	300	7.41	9.45	0.305
3x2.5 RM	0.7	0.2	1.8	14	312	7.41	9.45	0.305
3x4 RE	0.7	0.2	1.8	14.5	374	4.61	5.88	0.285
3x4 RM	0.7	0.2	1.8	15	380	4.61	5.88	0.285
3x6 RE	0.7	0.2	1.8	15.5	446	3.08	3.93	0.271
3x6 RM	0.7	0.2	1.8	16.5	480	3.08	3.93	0.271
3x10 RE	0.7	0.2	1.8	17.5	600	1.83	2.33	0.255
3x10 RM	0.7	0.2	1.8	18.5	642	1.83	2.33	0.255
3x16 RM	0.7	0.2	1.8	20.5	865	1.15	1.47	0.243
3x25 RM	0.9	0.2	1.8	24.5	1235	0.727	0.927	0.242
3x35 RM	0.9	0.2	1.9	27	1610	0.524	0.669	0.234
3x50 SM	1	0.2	1.8	26.5	1785	0.387	0.494	0.232
3x70 SM	1.1	0.2	1.9	30.5	2510	0.268	0.342	0.229
3x95 SM	1.1	0.2	2.1	34	3340	0.193	0.247	0.224
3x120 SM	1.2	0.5	2.2	39.5	4390	0.153	0.196	0.223
3x150 SM	1.4	0.5	2.3	43	5245	0.124	0.160	0.224
3x185 SM	1.6	0.5	2.5	48	6477	0.0991	0.128	0.225
3x240 SM	1.7	0.5	2.7	53.5	8170	0.0754	0.0988	0.222
3x300 SM	1.8	0.5	2.9	59	10190	0.0601	0.0787	0.218

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.

# 3 1/2 CORE XLPE INSULATED, PVC SHEATHED TAPE ARMORED POWER CABLES (0.6/1kV) N2XYBY



#### CONSTRUCTION:

Conductor: stranded copper  
Insulation: XLPE  
Inner sheath: PVC

Armor: galvanized steel double tape  
Outer sheath: PVC (UV resistant)

#### ABBREVIATION:

Cu/XLPE/STA/PVC

#### STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor tape thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
3x25+16 RM	0.9/0.7	0.2	1.8	25	1390	0.727/1.15	0.927/1.47	0.258
3x35+16 RM	0.9/0.7	0.2	1.8	27.5	1755	0.524/1.15	0.669/1.47	0.247
3x50+25 SM/RM	1/0.9	0.2	1.9	29.5	2100	0.387/0.727	0.494/0.927	0.248
3x70+35 SM/RM	1.1/0.9	0.2	2	33	2910	0.268/0.524	0.342/0.669	0.243
3x95+50 SM	1.1/1	0.5	2.2	38	4092	0.193/0.387	0.247/0.494	0.239
3x120+70 SM	1.2/1.1	0.5	2.3	42	5160	0.153/0.268	0.196/0.342	0.239
3x150+70 SM	1.4/1.1	0.5	2.5	46.5	6075	0.124/0.268	0.160/0.342	0.237
3x185+95 SM	1.6/1.1	0.5	2.6	49.5	7435	0.0991/0.193	0.128/0.247	0.239
3x240+120 SM	1.7/1.2	0.5	2.7	55	9415	0.0754/0.153	0.0985/0.196	0.236
3x300+150 SM	1.8/1.4	0.5	2.9	61.5	11650	0.0601/0.124	0.0802/0.160	0.232

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.



# 4 CORE XLPE INSULATED, PVC SHEATHED TAPE ARMORED POWER CABLES (0.6/1kV) N2XYBY



**CONSTRUCTION:**

Conductor: solid or stranded copper      Armor: galvanized steel double tape  
 Insulation: XLPE      Outer sheath: PVC (UV resistant)  
 Inner sheath: PVC

**ABBREVIATION:**

Cu/XLPE/STA/PVC

**STANDARD:**

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor tape thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
4x1.5 RE	0.7	0.2	1.8	13.5	284	12.1	15.4	0.352
4x1.5 RM	0.7	0.2	1.8	14	296	12.1	15.4	0.352
4x2.5 RE	0.7	0.2	1.8	14.5	345	7.41	9.45	0.328
4x2.5 RM	0.7	0.2	1.8	15	360	7.41	9.45	0.328
4x4 RE	0.7	0.2	1.8	16	432	4.61	5.88	0.308
4x4 RM	0.7	0.2	1.8	16.5	440	4.61	5.88	0.308
4x6 RE	0.7	0.2	1.8	17	525	3.08	3.93	0.294
4x6 RM	0.7	0.2	1.8	17.5	562	3.08	3.93	0.294
4x10 RE	0.7	0.2	1.8	18.5	725	1.83	2.33	0.278
4x10 RM	0.7	0.2	1.8	20	768	1.83	2.33	0.278
4x16 RM	0.7	0.2	1.8	22	1050	1.15	1.47	0.266
4x25 RM	0.9	0.2	1.8	26.5	1510	0.727	0.927	0.265
4x35 RM	0.9	0.2	1.9	29.5	2000	0.524	0.669	0.258
4x50 SM	1	0.2	1.9	30.5	2315	0.387	0.494	0.255
4x70 SM	1.1	0.2	2	34	3240	0.268	0.342	0.252
4x95 SM	1.1	0.5	2.2	39	4640	0.193	0.247	0.247
4x120 SM	1.2	0.5	2.4	44.5	5690	0.153	0.196	0.246
4x150 SM	1.4	0.5	2.5	48	6800	0.124	0.159	0.247
4x185 SM	1.6	0.5	2.6	51	8290	0.0991	0.128	0.248
4x240 SM	1.7	0.5	2.9	61	10670	0.0754	0.0984	0.245
4x300 SM	1.8	0.5	3	64.5	13180	0.0601	0.0784	0.241

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.

# 5 CORE XLPE INSULATED, PVC SHEATHED TAPE ARMORED POWER CABLES (0.6/1kV) N2XYBY



## CONSTRUCTION:

Conductor: solid or stranded copper  
Insulation: XLPE  
Inner sheath: PVC

Armor: galvanized steel double tape  
Outer sheath: PVC (UV resistant)

## ABBREVIATION:

Cu/XLPE/STA/PVC

## STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

## DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section	Insulation thickness	Armor tape thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup>	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
5x1.5 RE	0.7	0.2	1.8	14.5	325	12.1	15.4	0.361
5x1.5 RM	0.7	0.2	1.8	15	336	12.1	15.4	0.361
5x2.5 RE	0.7	0.2	1.8	15.5	395	7.41	9.45	0.337
5x2.5 RM	0.7	0.2	1.8	16	415	7.41	9.45	0.337
5x4 RE	0.7	0.2	1.8	17	506	4.61	5.88	0.317
5x4 RM	0.7	0.2	1.8	17.5	515	4.61	5.88	0.317
5x6 RE	0.7	0.2	1.8	18	620	3.08	3.93	0.303
5x6 RM	0.7	0.2	1.8	19	670	3.08	3.93	0.303
5x10 RE	0.7	0.2	1.8	20	865	1.83	2.33	0.287
5x10 RM	0.7	0.2	1.8	21.5	920	1.83	2.33	0.287
5x16 RM	0.7	0.2	1.8	24	1265	1.15	1.47	0.275
5x25 RM	0.9	0.2	1.9	29	1855	0.727	0.927	0.257
5x35 RM	0.9	0.2	2	32.5	2465	0.524	0.669	0.237

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.

# SINGLE AND 2 CORE XLPE POWER CABLES WITH CONCENTRIC CONDUCTOR (0.6/1kV) N2XCY



## CONSTRUCTION:

Conductor: solid or stranded copper  
 Insulation: XLPE  
 Inner sheath: PVC(only for multicore cables)  
 Concentric conductor: copper wires plus open copper tape  
 Outer sheath: PVC (UV resistant)

## ABBREVIATION:

Cu/XLPE/CWS/PVC

## STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

## DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section / concentric conductor cross section	Insulation thickness	No. x diameter of concentric conductor	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup> / mm <sup>2</sup>	mm	No.xmm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
1x1.5/ 1.5 RE	0.7	20x0.3	1.8	7	80	12.1	15.4	0.458
1x2.5 / 2.5 RE	0.7	20x0.4	1.8	7.5	102	7.41	9.45	0.439
1x4 / 4 RE	0.7	20x0.5	1.8	8.2	137	4.61	5.88	0.420
1x6 / 6 RE	0.7	20x0.6	1.8	9	176	3.08	3.93	0.394
1x10 / 10 RE	0.7	20x0.8	1.8	10	256	1.83	2.33	0.366
1x16 / 16 RM	0.7	30x0.8	1.8	11.5	372	1.15	1.47	0.341
1x25 / 25 RM	0.9	30x1	1.8	14	560	0.727	0.923	0.325
1x35 / 35 RM	0.9	42x1	1.8	15	760	0.524	0.668	0.311
2x1.5/ 1.5 RE	0.7	20x0.3	1.8	12	192	12.1	15.4	0.329
2x2.5 / 2.5 RE	0.7	20x0.4	1.8	13	240	7.41	9.45	0.305
2x4 / 4 RE	0.7	20x0.5	1.8	14	310	4.61	5.88	0.285
2x6 / 6 RE	0.7	20x0.6	1.8	15	380	3.08	3.93	0.271
2x10 / 10 RE	0.7	20x0.8	1.8	17	532	1.83	2.33	0.255
2x16 / 16 RM	0.7	30x0.8	1.8	20	780	1.15	1.47	0.243
2x25 / 25 RM	0.9	30x1	1.8	24	1150	0.727	0.927	0.242
2x35 / 35 RM	0.9	42x1	1.8	26	1525	0.524	0.669	0.234

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

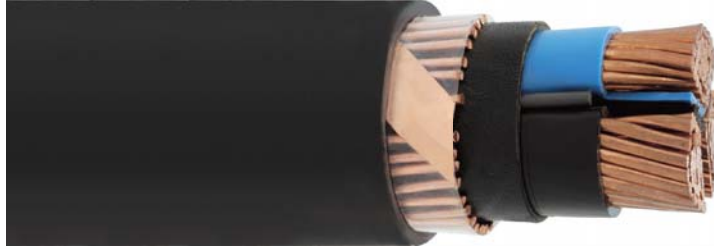
Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.

# 3 AND 4 CORE XLPE POWER CABLES WITH CONCENTRIC CONDUCTOR (0.6/1kV) N2XCY



## CONSTRUCTION:

Conductor: solid or stranded copper  
 Insulation: XLPE  
 Inner sheath: PVC  
 Concentric conductor: copper wires plus open copper tape  
 Outer sheath: PVC (UV resistant)

## ABBREVIATION:

Cu/XLPE/CWS/PVC

## STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

## DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section / concentric conductor cross section	Insulation thickness	No. x diameter of concentric conductor	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
						DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup> / mm <sup>2</sup>	mm	No.xmm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
3x1.5/ 1.5 RE	0.7	20x0.3	1.8	12	211	12.1	15.4	0.329
3x2.5 / 2.5 RE	0.7	20x0.4	1.8	13	267	7.41	9.45	0.305
3x4 / 4 RE	0.7	20x0.5	1.8	14.5	350	4.61	5.88	0.285
3x6 / 6 RE	0.7	20x0.6	1.8	16	436	3.08	3.93	0.271
3x10 / 10 RE	0.7	20x0.8	1.8	18	620	1.83	2.33	0.255
3x16 / 16 RM	0.7	30x0.8	1.8	21	915	1.15	1.47	0.243
3x25 / 25 RM	0.9	30x1	1.8	25	1360	0.727	0.928	0.242
3x35 / 35 RM	0.9	42x1	1.8	27.5	1815	0.524	0.670	0.234
4x1.5/ 1.5 RE	0.7	20x0.3	1.8	13	240	12.1	15.4	0.352
4x2.5 / 2.5 RE	0.7	20x0.4	1.8	14	305	7.41	9.45	0.328
4x4 / 4 RE	0.7	20x0.5	1.8	15	405	4.61	5.88	0.308
4x6 / 6 RE	0.7	20x0.6	1.8	17	510	3.08	3.93	0.294
4x10 / 10 RE	0.7	20x0.8	1.8	19	735	1.83	2.33	0.278
4x16 / 16 RM	0.7	30x0.8	1.8	22.5	1090	1.15	1.47	0.266
4x25 / 25 RM	0.9	30x1	1.8	27	1620	0.727	0.928	0.265
4x35 / 35 RM	0.9	42x1	1.9	30	2200	0.524	0.669	0.258

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.

## 2 CORE XLPE POWER CABLES WIRE ARMORED WITH CONCENTRIC CONDUCTOR (0.6/1kV) N2XCYRY



### CONSTRUCTION:

Conductor: solid or stranded copper  
 Insulation: XLPE  
 Inner sheath: PVC  
 Concentric conductor: copper wires plus open copper tape  
 Armor: aluminum wires(for single core) or galvanized steel wires(for multicore)  
 Outer sheath: PVC (UV resistant)

### ABBREVIATION:

Cu/XLPE/CWS/SWA/PVC

### STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section / concentric conductor cross section	Insulation thickness	No. x diameter of concentric conductor	Armor wire diameter	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
							DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup> / mm <sup>2</sup>	mm	No.xmm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
2x1.5/ 1.5 RE	0.7	20x0.3	1.25	1.8	16.5	551	12.1	15.4	0.329
2x2.5 / 2.5 RE	0.7	20x0.4	1.25	1.8	17.5	622	7.41	9.45	0.305
2x4 / 4 RE	0.7	20x0.5	1.25	1.8	19	727	4.61	5.88	0.285
2x6 / 6 RE	0.7	20x0.6	1.25	1.8	20	835	3.08	3.93	0.271
2x10 / 10 RE	0.7	20x0.8	1.6	1.8	22.5	1172	1.83	2.33	0.255
2x16 / 16 RM	0.7	30x0.8	1.6	1.8	25.5	1515	1.15	1.47	0.243
2x25 / 25 RM	0.9	30x1	1.6	1.9	29.5	2045	0.727	0.927	0.242
2x35 / 35 RM	0.9	42x1	2	2	33	2733	0.524	0.669	0.234

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath

# 3 AND 4 CORE XLPE POWER CABLES WIRE ARMORED WITH CONCENTRIC CONDUCTOR (0.6/1kV) N2XCYRY



**CONSTRUCTION:**

- Conductor: solid or stranded copper
- Insulation: XLPE
- Inner sheath: PVC
- Concentric conductor: copper wires plus open copper tape
- Armor: galvanized steel wires
- Outer sheath: PVC (UV resistant)

**ABBREVIATION:**

Cu/XLPE/CWS/ SWA/PVC

**STANDARD:**

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section / concentric conductor cross section	Insulation thickness	No. x diameter of concentric conductor	Armor wire diameter	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
							DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup> / mm <sup>2</sup>	mm	No.xmm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
3x1.5/ 1.5 RE	0.7	20x0.3	1.25	1.8	17	582	12.1	15.4	0.329
3x2.5 / 2.5 RE	0.7	20x0.4	1.25	1.8	18	672	7.41	9.45	0.305
3x4 / 4 RE	0.7	20x0.5	1.25	1.8	19	790	4.61	5.88	0.285
3x6 / 6 RE	0.7	20x0.6	1.25	1.8	20.5	915	3.08	3.93	0.271
3x10 / 10 RE	0.7	20x0.8	1.6	1.8	23.5	1280	1.83	2.33	0.255
3x16 / 16 RM	0.7	30x0.8	1.6	1.8	26.5	1690	1.15	1.47	0.243
3x25 / 25 RM	0.9	30x1	2	2	32	2510	0.727	0.928	0.242
3x35 / 35 RM	0.9	42x1	2	2.1	34.5	3095	0.524	0.670	0.234
4x1.5/ 1.5 RE	0.7	20x0.3	1.25	1.8	18	633	12.1	15.4	0.352
4x2.5 / 2.5 RE	0.7	20x0.4	1.25	1.8	19	732	7.41	9.45	0.328
4x4 / 4 RE	0.7	20x0.5	1.25	1.8	20	870	4.61	5.88	0.308
4x6 / 6 RE	0.7	20x0.6	1.6	1.8	22	1130	3.08	3.93	0.294
4x10 / 10 RE	0.7	20x0.8	1.6	1.8	24.5	1342	1.83	2.33	0.278
4x16 / 16 RM	0.7	30x0.8	1.6	1.9	28.5	1930	1.15	1.47	0.266
4x25 / 25 RM	0.9	30x1	2	2	34	2855	0.727	0.928	0.265
4x35 / 35 RM	0.9	42x1	2	2.1	37	3582	0.524	0.669	0.258

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.

# 2 CORE XLPE POWER CABLES TAPE ARMORED WITH CONCENTRIC CONDUCTOR (0.6/1kV) N2XCYBY



### CONSTRUCTION:

Conductor: solid or stranded copper  
 Insulation: XLPE  
 Inner sheath: PVC  
 Concentric conductor: copper wires plus open copper tape  
 Armor: aluminum double tape(for single core) or galvanized steel double tape(for multicore)  
 Outer sheath: PVC(UV resistant)

### ABBREVIATION:

Cu/XLPE/CWS/STA/PVC

### STANDARD:

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section / concentric conductor cross section	Insulation thickness	No. x diameter of concentric conductor	Armor tape thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
							DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup> / mm <sup>2</sup>	mm	No.xmm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
2x1.5/ 1.5 RE	0.7	20x0.3	0.2	1.8	15	340	12.1	15.4	0.329
2x2.5 / 2.5 RE	0.7	20x0.4	0.2	1.8	16	397	7.41	9.45	0.305
2x4 / 4 RE	0.7	20x0.5	0.2	1.8	17	480	4.61	5.88	0.285
2x6 / 6 RE	0.7	20x0.6	0.2	1.8	18	565	3.08	3.93	0.271
2x10 / 10 RE	0.7	20x0.8	0.2	1.8	20	742	1.83	2.33	0.255
2x16 / 16 RM	0.7	30x0.8	0.2	1.8	23	1020	1.15	1.47	0.243
2x25 / 25 RM	0.9	30x1	0.2	1.8	27	1435	0.727	0.927	0.242
2x35 / 35 RM	0.9	42x1	0.2	1.9	29.5	1855	0.524	0.669	0.234

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath

# 3 AND 4 CORE XLPE POWER CABLES TAPE ARMORED WITH CONCENTRIC CONDUCTOR (0.6/1kV) N2XCYBY



**CONSTRUCTION:**

Conductor: solid or stranded copper  
 Insulation: XLPE  
 Inner sheath: PVC  
 Concentric conductor: copper wires plus open copper tape  
 Armor: galvanized steel double tape  
 Outer sheath: PVC (UV resistant)

**ABBREVIATION:**

Cu/XLPE/CWS/ STA/PVC

**STANDARD:**

IEC 60502-1, IEC 60228, IEC 60332

### DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Number of cores x cross section / concentric conductor cross section	Insulation thickness	No. x diameter of concentric conductor	Armor tape thickness	Sheath thickness	Overall diameter	Approx. weight	Max. conductor resistance		Inductance
							DC at 20°C	AC at 90°C	
No.xmm <sup>2</sup> / mm <sup>2</sup>	mm	No.xmm	mm	mm	mm	kg/km	Ω/km	Ω/km	mH/km
3x1.5/ 1.5 RE	0.7	20x0.3	0.2	1.8	15.5	365	12.1	15.4	0.329
3x2.5 / 2.5 RE	0.7	20x0.4	0.2	1.8	16.5	430	7.41	9.45	0.305
3x4 / 4 RE	0.7	20x0.5	0.2	1.8	17.5	525	4.61	5.88	0.285
3x6 / 6 RE	0.7	20x0.6	0.2	1.8	19	630	3.08	3.93	0.271
3x10 / 10 RE	0.7	20x0.8	0.2	1.8	21	835	1.83	2.33	0.255
3x16 / 16 RM	0.7	30x0.8	0.2	1.8	24	1170	1.15	1.47	0.243
3x25 / 25 RM	0.9	30x1	0.2	1.9	28.5	1675	0.727	0.928	0.242
3x35 / 35 RM	0.9	42x1	0.2	2	31	2175	0.524	0.670	0.234
4x1.5/ 1.5 RE	0.7	20x0.3	0.2	1.8	16	400	12.1	15.4	0.352
4x2.5 / 2.5 RE	0.7	20x0.4	0.2	1.8	17	475	7.41	9.45	0.328
4x4 / 4 RE	0.7	20x0.5	0.2	1.8	18.5	590	4.61	5.88	0.308
4x6 / 6 RE	0.7	20x0.6	0.2	1.8	20	715	3.08	3.93	0.294
4x10 / 10 RE	0.7	20x0.8	0.2	1.8	22	970	1.83	2.33	0.278
4x16 / 16 RM	0.7	30x0.8	0.2	1.8	26	1360	1.15	1.47	0.266
4x25 / 25 RM	0.9	30x1	0.2	1.9	30.5	1960	0.727	0.928	0.265
4x35 / 35 RM	0.9	42x1	0.2	2	33.5	2580	0.524	0.669	0.258

Current ratings: see technical reference page 150

Minimum bending radius: see technical reference page 157

Short circuit current: see technical reference page 158

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

These cables also available with aluminum conductor, halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent and anti termite inner & over sheath.