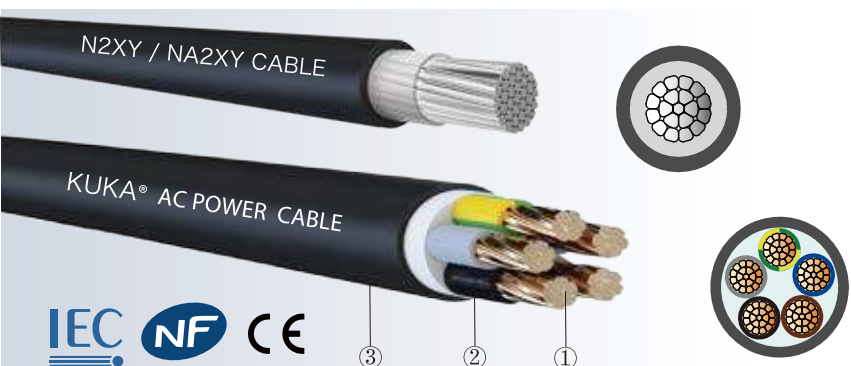


N2XY / NA2XY Cu(Al)/XLPE/PVC 0.6/1kV



Features

- IEC60502-1 approval
- Excellent electrical property of high quality Cu/Al conductor
- Low-smoke zero-Halogen of XLPE insulation, anti-flaming.
- High mechanical strength, powerful resistance to chemical attack.
- Special features such as flame retardant PVC supplied.

Mechanical feature

- Bending radius 15 x outer Ø for Single core; 12 x outer Ø for Multi core
- Temperature range -35 °C to +90 °C, Max. temp. at conductor +90 °C
- Short circuit temperature 250°C for 5 s
- Flame-resistant test acc. to EN 60332-1-2

Electrical characteristics

- Rated voltage 0.6/1 kV
- Test Voltage 4kV
- Insulation resistance >20 MΩxKM

Applications

- Indoors, cable trunking, outdoors for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Construction

- ① Conductor Plain annealed stranded circular (rm) or sector shaped (sm) - copper for N2XY, and aluminum for NA2XY, according to IEC 60228, Class 2
- ② Insulation XLPE (Cross-Linked Polyethylene)
- ③ Jacket PVC (Polyvinyl Chloride)

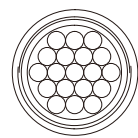
Insulation Identification

- 1 core: ○ Natural
- 2 core: ● Brown, ● Blue
- 3 core: ● Brown, ● Blue, ● G/Y
- 4 core: ● Brown, ● Black, ● Grey, ● G/Y
- 5 core: ● Brown, ● Black, ● Grey, ● Blue, ● G/Y

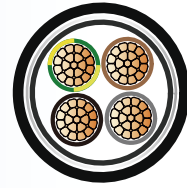
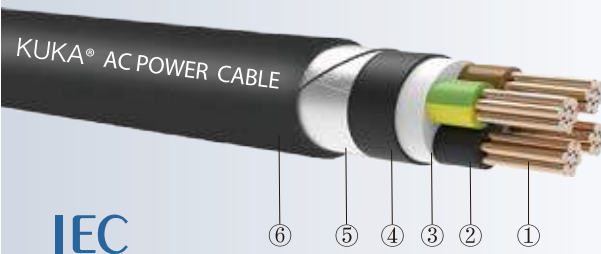
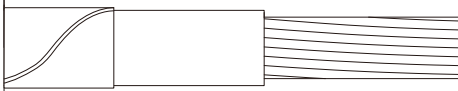
*Any other colour can be provided upon request.

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Sheath thickness	Approx. overall diameter of cable	Approx. weight of cable kg/km		Max. DC Resistance at 20 °C Ω/km	
					N2XY	NA2XY	N2XY	NA2XY
1 core								
1x1.5	1.38	0.7	1.4	5.6	52	-	12.1	-
1x2.5	1.78	0.7	1.4	6.0	65	50	7.41	12.1
1x4	2.25	0.7	1.4	6.4	83	58	4.61	7.41
1x6	2.76	0.7	1.4	7.0	106	69	3.08	4.61
1x10	4.1	0.7	1.4	8.3	157	94	1.83	3.08
1x16	5.1	0.7	1.4	9.3	221	121	1.15	1.91
1x25	6.4	0.9	1.5	11.2	334	175	0.727	1.20
1x35	7.6	0.9	1.5	12.4	435	215	0.524	0.268
1x50	8.9	1.0	1.6	14.1	576	278	0.387	0.641
1x70	10.7	1.1	1.6	16.1	793	362	0.268	0.443
1x95	12.6	1.1	1.7	18.2	1066	468	0.193	0.320
1x120	12.9	1.2	1.7	18.7	1275	539	0.153	0.253
1x150	14.5	1.4	1.7	20.7	1584	658	0.124	0.206
1x185	16.0	1.6	1.7	22.6	1868	763	0.0991	0.164
1x240	18.3	1.7	1.7	25.1	2399	952	0.0754	0.125
1x300	20.5	1.8	1.7	27.5	3028	1172	0.0601	0.100
1x400	23.5	2.0	1.8	30.9	3888	1478	0.0470	0.0778
1x500	26.5	2.2	1.8	34.5	4953	1861	0.0366	0.0605

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Sheath thickness	Approx. overall diameter of cable	Approx. weight of cable kg/km		Max. DC Resistance at 20 °C Ω/km	
					N2XY	NA2XY	N2XY	NA2XY
2 core								
2x1.5	1.38	0.7	1.8	10.0	99	-	12.1	-
2x2.5	1.78	0.7	1.8	10.8	127	95	7.41	12.1
2x4	2.25	0.7	1.8	11.7	164	115	4.61	7.41
2x6	2.76	0.7	1.8	12.7	214	139	3.08	4.61
2x10	4.1	0.7	1.8	15.3	324	195	1.83	3.08
2x16	5.1	0.7	1.8	17.4	460	257	1.15	1.91
2x25	6.4	0.9	1.8	20.8	691	369	0.727	1.20
2x35	7.6	0.9	1.8	23.1	907	460	0.524	0.868
2x50	8.9	1.0	1.8	19.6	1039	478	0.387	0.641
2x70	10.7	1.1	1.8	22.6	1456	646	0.268	0.443
2x95	12.6	1.1	2.0	25.8	1973	849	0.193	0.320
2x120	12.9	1.2	2.1	28.2	2459	1042	0.153	0.253
2x150	14.5	1.4	2.2	40.2	3398	1520	0.124	0.206
2x185	16.0	1.6	2.3	44.2	4042	1800	0.0991	0.164
2x240	18.3	1.7	2.5	49.6	5264	2329	0.0754	0.125
2x300	20.5	1.8	2.7	54.8	7345	3076	0.0601	0.100
3 core								
3x1.5	1.38	0.7	1.8	10.4	120	-	12.1	-
3x2.5	1.78	0.7	1.8	11.3	158	111	7.41	12.1
3x4	2.25	0.7	1.8	12.2	210	135	4.61	7.41
3x6	2.76	0.7	1.8	13.4	280	167	3.08	4.61
3x10	4.1	0.7	1.8	16.1	430	238	1.83	3.08
3x16	5.1	0.7	1.8	18.4	623	318	1.15	1.91
3x25	6.4	0.9	1.8	22.1	947	469	0.727	1.20
3x35	7.6	0.9	1.8	24.6	1254	584	0.524	0.868
3x50	8.9	1.0	1.8	23.7	1518	677	0.387	0.641
3x70	10.7	1.1	1.9	27.9	2143	929	0.268	0.443
3x95	12.6	1.1	2.0	31.3	2897	1212	0.193	0.320
3x120	12.9	1.2	2.1	38.4	3834	1593	0.153	0.253
3x150	14.5	1.4	2.2	43.1	4827	2010	0.124	0.206
3x185	16.0	1.6	2.4	47.4	5747	2994	0.0991	0.164
3x240	18.3	1.7	2.5	53.2	7448	2045	0.0754	0.125
3x300	20.5	1.8	2.8	58.7	9463	3810	0.0601	0.100
4 core								
4x1.5	1.38	0.7	1.8	11.1	145	-	12.1	-
4x2.5	1.78	0.7	1.8	12.1	194	131	7.41	12.1
4x4	2.25	0.7	1.8	13.2	261	162	4.61	7.41
4x6	2.76	0.7	1.8	14.5	352	201	3.08	4.61
4x10	4.1	0.7	1.8	17.6	547	290	1.83	3.08
4x16	5.1	0.7	1.8	20.1	799	392	1.15	1.91
4x25	6.4	0.9	1.8	24.3	1222	577	0.727	1.20
4x35	7.6	0.9	1.8	27.1	1626	791	0.524	0.868
4x50	8.9	1.0	1.9	26.2	2005	884	0.387	0.641
4x70	10.7	1.1	2.0	31.9	2855	1236	0.268	0.443
4x95	12.6	1.1	2.1	35.9	3843	1595	0.193	0.320
4x120	12.9	1.2	2.3	42.8	5052	2064	0.153	0.253
4x150	14.5	1.4	2.4	47.9	6336	2579	0.124	0.206
4x185	16.0	1.6	2.6	52.9	7569	3085	0.0991	0.164
4x240	18.3	1.7	2.8	59.3	9809	3939	0.0754	0.125
4x300	20.5	1.8	3.0	65.5	12467	4929	0.0601	0.100
5 core								
5x1.5	1.38	0.7	1.8	11.9	171	-	12.1	-
5x2.5	1.78	0.7	1.8	13.0	231	152	7.41	12.1
5x4	2.25	0.7	1.8	14.2	314	190	4.61	7.41
5x6	2.76	0.7	1.8	15.6	426	237	3.08	4.61
5x10	4.1	0.7	1.8	19.1	666	346	1.83	3.08
5x16	5.1	0.7	1.8	22.0	978	470	1.15	1.91
5x25	6.4	0.9	1.8	26.6	1503	697	0.727	1.20
5x35	7.6	0.9	1.8	29.7	2004	887	0.524	0.868
5x50	8.9	1.0	2.0	32.6	2605	1132	0.387	0.641
5x70	10.7	1.1	2.1	37.8	3617	1536	0.268	0.443
5x95	12.6	1.1	2.3	42.8	5006	2053	0.193	0.320
5x120	12.9	1.2	2.4	47.3	6276	2541	0.153	0.253
5x150	14.5	1.4	2.6	53.1	7897	3201	0.124	0.206
5x185	16.0	1.6	2.8	58.6	9297	3692	0.0991	0.164
5x240	18.3	1.7	3.0	65.8	12220	4882	0.0754	0.125
5x300	20.5	1.8	3.2	72.7	15530	6108	0.0601	0.100



N2XBY/ NA2XBY Cu(Al)/XLPE/STA/PVC 0.6/1kV



Features

- IEC60502-1 approval
- Excellent electrical property of high quality Cu/Al conductor
- Low-smoke zero-Halogen of XLPE insulation, anti-flaming.
- High mechanical strength, powerful resistance to chemical attack.
- Special features such as flame retardant PVC supplied.

Construction

- ① Conductor Plain annealed stranded circular (rm) or sector shaped (sm) - copper for N2XBY, and aluminum for NA2XBY, according to IEC 60228, Class 2
- ② Insulation XLPE (Cross-Linked Polyethylene)
- ③ Filling Elastomere compound
- ④ Inner Jacket PVC (Polyvinyl Chloride)
- ⑤ Armour ATA (Aluminum Tape Armoured) for 1core STA (Steel Tape Armoured) for 2-5core
- ⑥ Outer Jacket PVC

Insulation Identification

- 1 core: ○ Natural
 - 2 core: ● Brown, ● Blue
 - 3 core: ● Brown, ● Blue, ● G/Y
 - 4 core: ● Brown, ● Black, ● Grey, ● G/Y
 - 5 core: ● Brown, ● Black, ● Grey, ● Blue
 - G/Y
- *Any other colour can be provided upon request.

Mechanical feature

- Bending radius 15 x outer Ø for Single core; 12 x outer Ø for Multi core
- Temperature range -35 °C to +90 °C, Max. temp. at conductor +90 °C
- Short circuit temperature 250°C for 5 s
- Flame-resistant test acc. to EN 60332-1-2

Electrical characteristics

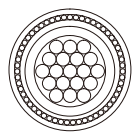
- Rated voltage 0.6/1 kV
- Test Voltage 4kV
- Insulation resistance >20 MΩxKM

Applications

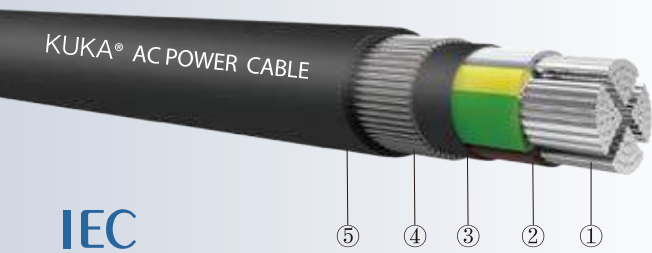
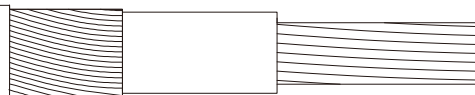
- For laying in doors, in tunnels, cable trench, or direct in ground, able to bear external mechanical force, but unable to bear large pulling force.

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Sheath thickness	Approx. overall diameter of cable	Approx. weight of cable		Max. DC Resistance at 20 °C	
					N2XBY	NA2XBY	N2XBY	NA2XBY
N x mm ²	mm	mm	mm	mm	N2XBY	NA2XBY	N2XBY	NA2XBY
1 core								
1x10	4.1	0.7	1.8	11.7	233	170	1.83	3.08
1x16	5.1	0.7	1.8	12.7	305	205	1.15	1.91
1x25	6.4	0.9	1.8	14.4	426	267	0.727	1.20
1x35	7.6	0.9	1.8	15.6	536	316	0.524	0.268
1x50	8.9	1.0	1.8	17.1	680	382	0.387	0.641
1x70	10.7	1.1	1.8	19.1	912	481	0.268	0.443
1x95	12.6	1.1	1.8	21.0	1188	590	0.193	0.320
1x120	12.9	1.2	1.8	21.5	1400	663	0.153	0.253
1x150	14.5	1.4	1.8	23.5	1721	795	0.124	0.206
1x185	16.0	1.6	1.8	25.4	2020	915	0.0991	0.164
1x240	18.3	1.7	1.8	27.9	2567	1121	0.0754	0.125
1x300	20.5	1.8	1.9	30.5	3225	1369	0.0601	0.100
1x400	23.5	2.0	2.0	35.9	4461	2050	0.0470	0.0778
1x500	26.5	2.2	2.1	39.5	5584	2492	0.0366	0.0605
1x630	29.9	2.4	2.3	43.7	6878	3031	0.0283	0.0469

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Sheath thickness	Approx. overall diameter of cable	Approx. weight of cable		Max. DC Resistance at 20 °C	
					N2XBY	NA2XBY	N2XBY	NA2XBY
N x mm ²	mm	mm	mm	mm	N2XBY	NA2XBY	N2XBY	NA2XBY
2 core								
2x2.5	1.78	0.7	1.8	12.6	218	187	7.41	12.1
2x4	2.25	0.7	1.8	13.5	265	215	4.61	7.41
2x6	2.76	0.7	1.8	14.5	325	250	3.08	4.61
2x10	4.1	0.7	1.8	17.1	447	318	1.83	3.08
2x16	5.1	0.7	1.8	19.2	602	398	1.15	1.91
2x25	6.4	0.9	1.8	22.6	863	540	0.727	1.20
2x35	7.6	0.9	1.8	24.9	1099	651	0.524	0.868
2x50	8.9	1.0	1.8	21.4	1199	638	0.387	0.641
2x70	10.7	1.1	1.8	24.2	1640	830	0.268	0.443
2x95	12.6	1.1	2.0	29.0	2437	1314	0.193	0.320
2x120	12.9	1.2	2.1	31.4	2966	1549	0.153	0.253
2x150	14.5	1.4	2.2	43.6	4146	2268	0.124	0.206
2x185	16.0	1.6	2.3	47.6	4862	2620	0.0991	0.164
2x240	18.3	1.7	2.5	53.0	6148	3213	0.0754	0.125
2x300	20.5	1.8	2.7	58.0	7622	3853	0.0601	0.100
3 core								
3x2.5	1.78	0.7	1.8	13.1	254	207	7.41	12.1
3x4	2.25	0.7	1.8	14.0	316	242	4.61	7.41
3x6	2.76	0.7	1.8	15.2	397	284	3.08	4.61
3x10	4.1	0.7	1.8	17.9	560	368	1.83	3.08
3x16	5.1	0.7	1.8	20.2	773	488	1.15	1.91
3x25	6.4	0.9	1.8	23.9	1130	646	0.727	1.20
3x35	7.6	0.9	1.8	26.4	1458	787	0.524	0.868
3x50	8.9	1.0	1.8	25.5	1714	873	0.387	0.641
3x70	10.7	1.1	1.8	31.3	2663	1449	0.268	0.443
3x95	12.6	1.1	2.0	34.7	3480	1784	0.193	0.320
3x120	12.9	1.2	2.2	41.8	4549	2309	0.153	0.253
3x150	14.5	1.4	2.4	46.5	5628	2811	0.124	0.206
3x185	16.0	1.6	2.5	50.8	6626	3263	0.0991	0.164
3x240	18.3	1.7	2.7	56.6	8432	4029	0.0754	0.125
3x300	20.5	1.8	2.9	62.1	10550	4896	0.0601	0.100
4 core								
4x1.5	1.38	0.7	1.8	12.9	241	-	12.1	-
4x2.5	1.78	0.7	1.8	13.9	299	236	7.41	12.1
4x4	2.25	0.7	1.8	15.0	377	277	4.61	7.41
4x6	2.76	0.7	1.8	16.3	480	329	3.08	4.61
4x10	4.1	0.7	1.8	19.4	690	433	1.83	3.08
4x16	5.1	0.7	1.8	21.9	964	557	1.15	1.91
4x25	6.4	0.9	1.8	26.1	1424	779	0.727	1.20
4x35	7.6	0.9	1.8	28.9	1851	957	0.524	0.868
4x50	8.9	1.0	1.9	30.0	2512	1391	0.387	0.641
4x70	10.7	1.1	2.0	35.3	3443	1824	0.268	0.443
4x95	12.6	1.1	2.1	39.3	4511	2264	0.193	0.320
4x120	12.9	1.2	2.3	46.2	5848	2860	0.153	0.253
4x150	14.5	1.4	2.4	51.3	7226	3470	0.124	0.206
4x185	16.0	1.6	2.6	56.3	8548	4064	0.0991	0.164
4x240	18.3	1.7	2.8	62.5	10882	5010	0.0754	0.125
4x300	20.5	1.8	3.0	68.9	13679	6141	0.0601	0.100
5 core								
5x1.5	1.38	0.7	1.8	11.9	274	-	12.1	-
5x2.5	1.78	0.7	1.8	13.0	344	266	7.41	12.1
5x4	2.25	0.7	1.8	14.2	439	315	4.61	7.41
5x6	2.76	0.7	1.8	15.6	565	377	3.08	4.61
5x10	4.1	0.7	1.8	19.1	839	519	1.83	3.08
5x16	5.1	0.7	1.8	22.0	1180	671	1.15	1.91
5x25	6.4	0.9	1.8	26.6	1749	943	0.727	1.20
5x35	7.6	0.9	1.8	29.7	2318	1201	0.524	0.868
5x50	8.9	1.0	2.0	32.6	3314	1841	0.387	0.641
5x70	10.7	1.1	2.1	37.8	4414	2332	0.268	0.443
5x95	12.6	1.1	2.3	42.8	5906	2953	0.193	0.320
5x120	12.9	1.2	2.4	47.3	7271	3536	0.153	0.253
5x150	14.5	1.4	2.6	53.1	9012	4317	0.124	0.206
5x185	16.0	1.6	2.8	58.6	10436	4831	0.0991	0.164
5x240	18.3	1.7	3.0	65.8	13596	6258	0.0754	0.125
5x300	20.5	1.8	3.2	72.7	17049	7627	0.0601	0.100



N2XRY/ NA2XRY Cu(Al)/XLPE/SWA/PVC 0.6/1kV



Features

- IEC60502-1 approval
Excellent electrical property of high quality Cu/Al conductor
- Low-smoke zero-Halogen of XLPE insulation, anti-flaming.
- High mechanical strength, powerful resistance to chemical attack.
- Special features such as flame retardant PVC supplied.

Construction

- ① Conductor Plain annealed stranded circular (rm) or sector shaped (sm) - copper for N2XRY, and aluminum for NA2XRY, according to IEC 60228, Class 2
- ② Insulation XLPE (Cross-Linked Polyethylene)
- ③ Filling Elastomere compound
- ④ Inner Jacket PVC (Polyvinyl Chloride)
- ⑤ Amour AWA (Aluminum Wire Armoured) for 1core SWA (Steel Wire Armoured) for 2-5core
- ⑥ Outer Jacket PVC

Insulation Identification

- 2 core: ● Brown, ● Blue
 - 3 core: ● Brown, ● Blue, ● G/Y
 - 4 core: ● Brown, ● Black, ● Grey, ● G/Y
 - 5 core: ● Brown, ● Black, ● Grey, ● Blue
- G/Y *Any other colour can be provided upon request.

Mechanical feature

- Bending radius 15 x outer Ø for Single core; 12 x outer Ø for Multi core
- Temperature range -35 °C to +90 °C, Max. temp. at conductor +90 °C
- Short circuit temperature 250°C for 5 s
- Flame-resistant test acc. to EN 60332-1-2

Electrical characteristics

- Rated voltage 0.6/1 kV
- Test Voltage 4kV
- Insulation resistance >20 MΩxKM

Applications

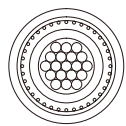
- For laying in doors, in tunnels, cable trench, or direct in ground, able to bear external mechanical force, able to bear large pulling force.

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Sheath thickness	Approx. overall diameter of cable	Approx. weight of cable kg/km		Max. DC Resistance at 20 °C Ω/km	
					N2XRY	NA2XRY	N2XRY	NA2XRY
2 core								
2x10	4.1	0.7	1.8	20.9	912	783	1.83	3.08
2x16	5.1	0.7	1.8	23.0	1124	920	1.15	1.91
2x25	6.4	0.9	1.8	26.4	1478	1156	0.727	1.20
2x35	7.6	0.9	1.8	28.7	1775	1328	0.524	0.268
2x50	8.9	1.0	1.8	25.4	1792	1231	0.387	0.641
2x70	10.7	1.1	1.9	29.4	2543	1733	0.268	0.443
2x95	12.6	1.1	2.0	32.4	3146	2022	0.193	0.320
2x120	12.9	1.2	2.1	35.0	3746	2328	0.153	0.253
2x150	14.5	1.4	2.3	48.2	5677	3799	0.124	0.206
2x185	16.0	1.6	2.4	52.4	6547	4305	0.0991	0.164
2x240	18.3	1.7	2.6	57.8	8059	5127	0.0754	0.125
2x300	20.5	1.8	2.7	63.5	10302	6408	0.0601	0.100

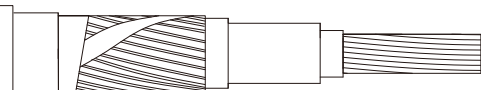
Nom. Cross Section Area	Conductor diameter	Insulation thickness	Sheath thickness	Approx. overall diameter of cable	Approx. weight of cable kg/km		Max. DC Resistance at 20 °C Ω/km	
					N2XRY	NA2XRY	N2XRY	NA2XRY
3 core								
3x10	4.1	0.7	1.8	21.7	1049	856	1.83	3.08
3x16	5.1	0.7	1.8	24.0	1323	1017	1.15	1.91
3x25	6.4	0.9	1.8	27.7	1779	1286	0.727	1.20
3x35	7.6	0.9	1.8	30.2	2174	1504	0.524	0.268
3x50	8.9	1.0	2.0	29.7	2433	1592	0.387	0.641
3x70	10.7	1.1	2.1	34.6	3429	2215	0.268	0.443
3x95	12.6	1.1	2.2	38.1	4327	2641	0.193	0.320
3x120	12.9	1.2	2.3	45.2	5587	3327	0.153	0.253
3x150	14.5	1.4	2.5	51.1	7289	4452	0.124	0.206
3x185	16.0	1.6	2.7	55.8	8488	5103	0.0991	0.164
3x240	18.3	1.7	2.9	81.8	10508	6108	0.0754	0.125
3x300	20.5	1.8	3.0	67.3	12831	7177	0.0601	0.100
3x400	23.5	2.0	3.3	77.0	17033	9692	0.0470	0.0778

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Sheath thickness	Approx. overall diameter of cable	Approx. weight of cable kg/km		Max. DC Resistance at 20 °C Ω/km	
					N2XRY	NA2XRY	N2XRY	NA2XRY
4 core								
4x10	4.1	0.7	1.8	23.3	1217	960	1.83	3.08
4x16	5.1	0.7	1.8	25.7	1560	1153	1.15	1.91
4x25	6.4	0.9	1.8	29.9	2132	1487	0.727	1.20
4x35	7.6	0.9	1.8	32.9	2649	1755	0.524	0.268
4x50	7.5	1.0	2.1	33.0	3218	2097	0.387	0.641
4x70	8.6	1.1	2.2	38.7	4312	2692	0.268	0.443
4x95	10.8	1.1	2.3	42.7	5468	3221	0.193	0.320
4x120	12.9	1.2	2.5	49.8	7479	4492	0.153	0.253
4x150	14.5	1.4	2.7	56.3	9090	5333	0.124	0.206
4x185	16.0	1.6	2.8	61.3	10587	6103	0.0991	0.164
4x240	18.3	1.7	3.1	68.1	13238	7368	0.0754	0.125
4x300	20.5	1.8	3.3	74.5	16273	8368	0.0601	0.100
4x400	23.5	2.0	3.6	85.1	21519	11732	0.0470	0.0778

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Sheath thickness	Approx. overall diameter of cable	Approx. weight of cable kg/km		Max. DC Resistance at 20 °C Ω/km	
					N2XRY	NA2XRY	N2XRY	NA2XRY
5 core								
5x10	4.1	0.7	1.8	24.7	1391	1071	1.83	3.08
5x16	5.1	0.7	1.8	27.6	1805	1296	1.15	1.91
5x25	6.4	0.9	1.9	32.4	2510	1704	0.727	1.20
5x35	7.6	0.9	2.0	36.5	3375	2258	0.524	0.268
5x50	8.3	1.0	2.2	39.4	4093	2620	0.387	0.641
5x70	9.8	1.1	2.3	44.6	5326	3244	0.268	0.443
5x95	11.5	1.1	2.5	50.8	7432	4479	0.193	0.320
5x120	12.9	1.2	2.7	55.7	8999	5265	0.153	0.253
5x150	14.5	1.4	2.8	61.5	10936	6241	0.124	0.206
5x185	16.0	1.6	3.0	67.2	12793	7188	0.0991	0.164
5x240	18.3	1.7	3.3	74.8	16044	8703	0.0754	0.125
5x300	20.5	1.8	3.5	83.2	20754	11332	0.0601	0.100
5x400	23.5	2.0	3.9	93.6	26123	13889	0.0470	0.0778

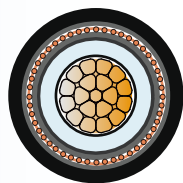
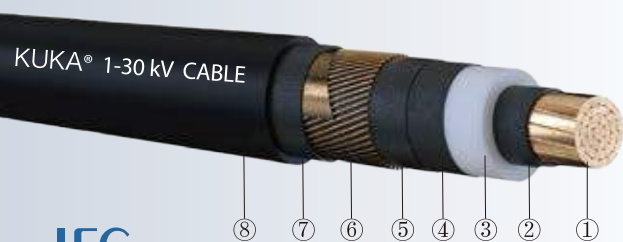


N2XSY/ NA2XSY Cu(Al)/XLPE/CWS/PE



Features

- IEC60502-2 approval
- Excellent electrical property of high quality Cu/Al conductor
- High mechanical strength, powerful resistance to chemical attack.
- Customized packing as per solar site
- Competitive prices & fast delivery



Construction

- ① Conductor Stranded copper conductor for N2XSY; Stranded aluminum conductor for NA2XSY. Multi wire stranded compacted (RM), class 2
- ② Screen Semi-conductive conductor screen
- ③ Insulation XLPE (Cross-Linked Polyethylene)
- ④ Screen Semi-conductive insulation screen
- ⑤ Tape Semi-conductive nylon tape
- ⑥ Metallic Screen Copper wire + Copper tape counter-helix
- ⑦ Tape Non-conducting tape
- ⑧ Outer sheath PVC (Polyvinyl Chloride)

- Insulation Color Natural
- Sheath Color Black or Red

Technical data

■ Voltage:

Rated voltage U ₀ /U	6/10 kV	12/20 kV	18/30 kV
Max. voltage	12 kV	24 kV	36 kV
Test voltage (5 min)	21 KV AC	42 KV AC	63 KV AC

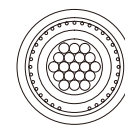
- Temperature range Fixed: -20°C to +70°C
Flexed: -5°C to +70°C

- Short circuit temperature +250°C 5s
- Minimum bending radius 15 x outer Ø

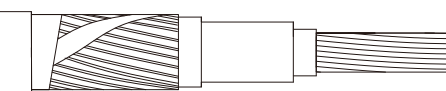
Applications

- For distribution networks; also for connection to generation units and plant and process connection. The cables are suitable for installation indoors, outdoors, in the ground and in water.

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Diameter over insulation	Sheath thickness	Outer diameter	Approx. weight of cable (kg/km)		Resistance of conductor at 20°C (Ω/km)		Current carrying capacity in Air / in Ground (A)	
						N2XSY	NA2XSY	N2XSY	NA2XSY	N2XSY	NA2XSY
6/10 kV											
N x mm ²	mm	mm	mm	mm	mm	N2XSY	NA2XSY	N2XSY	NA2XSY	N2XSY	NA2XSY
1 x 35/16	7,5	3,4	16,3	2,5	24	892	668	0,524	0,868	197 / 187	160 / 145
1 x 50/16	8,6	3,4	17,5	2,5	26	1027	766	0,387	0,641	236 / 220	183 / 171
1 x 70/16	10,2	3,4	19,2	2,5	27	1254	861	0,268	0,443	294 / 268	228 / 208
1 x 95/16	12,0	3,4	20,8	2,5	29	1525	985	0,193	0,320	358 / 320	278 / 248
1 x 120/16	13,5	3,4	22,8	2,5	30	1773	1089	0,153	0,253	413 / 363	321 / 283
1 x 150/16	15,0	3,4	24,3	2,5	30	2050	1250	0,124	0,206	468 / 405	364 / 315
1 x 150/25	15,0	3,4	24,3	2,5	32	2135	1273	0,124	0,206	468 / 405	364 / 315
1 x 185/16	16,8	3,4	25,9	2,5	32	2450	1400	0,0991	0,164	535 / 456	418 / 357
1 x 185/25	16,8	3,4	25,9	2,5	34	2482	1424	0,0991	0,164	535 / 456	418 / 357
1 x 240/16	19,2	3,4	28,4	2,5	34	3000	1600	0,0754	0,125	631 / 526	494 / 413
1 x 240/25	19,2	3,4	28,4	2,5	36	3045	1640	0,0754	0,125	631 / 526	494 / 413
1 x 300/25	21,6	3,4	30,4	2,5	40	3646	1856	0,0601	0,100	722 / 591	568 / 466
1 x 400/35	24,6	3,4	33,6	2,5	43	4557	2350	0,0470	0,0778	827 / 662	660 / 529
1 x 500/35	27,6	3,4	36,4	2,5	45	5585	2700	0,0366	0,0605	949 / 744	767 / 602
1 x 630/35	31,5	3,4	39,3	2,5	50	7090	3100	0,0283	0,0469	1090 / 820	890 / 665

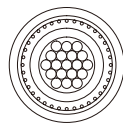


N2XSY/ NA2XSY Cu(Al)/XLPE/CWS/PE

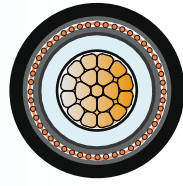
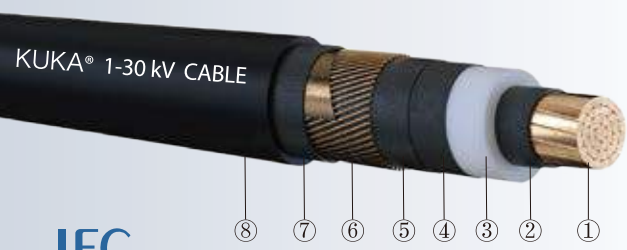
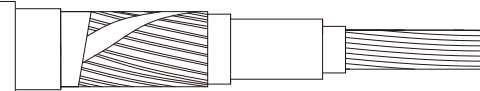


Nom. Cross Section Area	Conductor diameter	Insulation thickness	Diameter over insulation	Sheath thickness	Outer diameter	Approx. weight of cable (kg/km)		Resistance of conductor at 20°C (Ω/km)		Current carrying capacity in Air / in Ground (A)	
						N2XSY	NA2XSY	N2XSY	NA2XSY	N2XSY	NA2XSY
12/20 kV											
N x mm ²	mm	mm	mm	mm	mm	N2XSY	NA2XSY	N2XSY	NA2XSY	N2XSY	NA2XSY
1x 35/16	7,5	5,5	20,5	2,5	28	1067	860	0,524	0,868	200 / 189	160 / 145
1x 50/16	8,6	5,5	21,7	2,5	30	1208	942	0,387	0,641	239 / 227	185 / 172
1 x 70/16	10,2	5,5	23,4	2,5	31	1446	1047	0,268	0,443	297 / 271	231 / 210
1x 95/16	12,0	5,5	25,0	2,5	33	1726	1182	0,193	0,320	361 / 323	280 / 251
1 x 120/16	13,5	5,5	27,0	2,5	34	1983	1296	0,153	0,253	416 / 367	323 / 286
1 x 150/16	15,0	5,5	28,5	2,5	34	2300	1450	0,124	0,206	470 / 409	366 / 319
1 x 150/25	15,0	5,5	28,5	2,5	36	2353	1486	0,124	0,206	470 / 409	366 / 319
1 x 185/16	16,8	5,5	30,1	2,5	36	2650	1650	0,0991	0,164	538 / 461	420 / 361
1 x 185/25	16,8	5,5	30,1	2,5	39	2712	1694	0,0991	0,164	538 / 461	420 / 361
1 x240/16	19,2	5,5	32,6	2,5	39	3250	1850	0,0754	0,125	634 / 532	496 / 417
1 x 240/25	19,2	5,5	32,6	2,5	41	3290	1880	0,0754	0,125	634 / 532	496 / 417
1 x 300/25	21,6	5,5	34,6	2,5	44	3889	2200	0,0601	0,100	724 / 599	569 / 471
1 x 400/35	24,6	5,5	37,8	2,5	47	4831	2600	0,0470	0,0778	829 / 671	660 / 535
1 x 500/35	27,6	5,5	40,6	2,5	51	6050	3000	0,0366	0,0605	953 / 754	766 / 609
1 x 630/35	31,5	5,5	44,3	2,5	53	7340	3650	0,0283	0,0469	1090 / 820	890 / 675

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Diameter over insulation	Sheath thickness	Outer diameter	Approx. weight of cable (kg/km)		Resistance of conductor at 20°C (Ω/km)		Current carrying capacity in Air / in Ground (A)	
						N2XSY	NA2XSY	N2XSY	NA2XSY	N2XSY	NA2XSY
18/30 kV											
N x mm ²	mm	mm	mm	mm	mm	N2XSY	NA2XSY	N2XSY	NA2XSY	N2XSY	NA2XSY
1 x 50/16	8,6	8,0	26,7	2,5	35	1455	1184	0,387	0,641	741 / 225	187 / 174
1 x 70/16	10,2	8,0	28,4	2,5	36	1706	1302	0,268	0,443	299 / 274	232 / 213
1 x 95/16	12,0	8,0	30,0	2,5	38	2001	1450	0,193	0,32	363 / 327	282 / 254
1 x 120/16	13,5	8,0	32,0	2,5	39	2270	1575	0,153	0,253	418 / 371	325 / 289
1 x 150/25	15,0	8,0	33,5	2,5	41	2650	1774	0,124	0,206	472 / 414	367 / 322
1 x 185/25	16,8	8,0	35,1	2,5	43	3022	1951	0,0991	0,164	539 / 466	421 / 364
1 x 240/25	19,2	8,0	37,6	2,5	46	3618	2199	0,0754	0,125	635 / 539	496 / 422
1 x 300/25	21,6	8,0	39,6	2,5	49	4350	2443	0,0601	0,100	725 / 606	568 / 476
1 x 400/35	24,6	8,0	42,8	2,5	52	5350	3000	0,0470	0,0778	831 / 680	650 / 541
1 x 500/35	27,6	8,0	45,6	2,5	57	6450	3450	0,0366	0,0605	953 / 765	764 / 616
1 x 630/35	31,5	8,0	49,3	2,5	60	7800	3937	0,0283	0,0469	1090 / 820	877 / 702



N2XS2Y/ NA2XS2Y Cu(Al)/XLPE/CWS/PE



Features

- IEC60502-2 approval
- Excellent electrical property of high quality Cu/Al conductor
- PE sheath secures increased mechanical resistance during and after laying
- Customized packing as per solar site
- Competitive prices & fast delivery

Construction

- ① Conductor Stranded copper conductor for N2XS2Y; Stranded aluminum conductor for NA2XS2Y. Multi wire stranded compacted (RM), class 2
- ② Screen Semi-conductive conductor screen
- ③ Insulation XLPE (Cross-Linked Polyethylene)
- ④ Screen Semi-conductive insulation screen
- ⑤ Tape Semi-conductive nylon tape
- ⑥ Metallic Screen Copper wire + Copper tape counter-helix
- ⑦ Tape Non-conducting tape
- ⑧ Outer sheath Rigid PE (polyethylene)

- Insulation Color Natural
- Sheath Color Black or Red

Technical data

■ Voltage:

Rated voltage U ₀ /U	6/10 kV	12/20 kV	18/30 kV
Max. voltage	12 kV	24 kV	36 kV
Test voltage (5 min)	21 KV AC	42 KV AC	63 KV AC

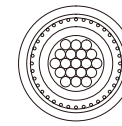
- Temperature range Fixed: -20°C to +70°C
Flexed: -5°C to +70°C

- Short circuit temperature +250°C 5s
- Minimum bending radius 15 x outer Ø

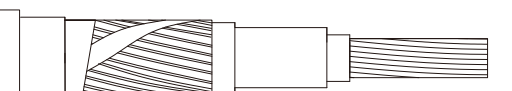
Applications

- For static application in ground, within and outside facilities, outdoor, in cable canals, in dry areas or in water. Used in transformer stations, switching blocks, in electric power plants and industrial plants.

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Diameter over insulation	Sheath thickness	Outer diameter	Approx. weight of cable (kg/km)		Resistance of conductor at 20°C (Ω/km)		Current carrying capacity in Air / in Ground (A)	
						N2XS2Y	NA2XS2Y	N2XS2Y	NA2XS2Y	N2XS2Y	NA2XS2Y
6/10 kV											
N x mm ²	mm	mm	mm	mm	mm	N2XS2Y	NA2XS2Y	N2XS2Y	NA2XS2Y	N2XS2Y	NA2XS2Y
1 x 35/16	7,5	3,4	16,3	2,5	24	801	546	0,524	0,868	197 / 187	160 / 145
1 x 50/16	8,6	3,4	17,5	2,5	26	932	650	0,387	0,641	236 / 220	183 / 171
1 x 70/16	10,2	3,4	19,2	2,5	27	1151	736	0,268	0,443	294 / 268	228 / 208
1 x 95/16	12,0	3,4	20,8	2,5	29	1415	852	0,193	0,320	358 / 320	278 / 248
1 x 120/16	13,5	3,4	22,8	2,5	30	1656	950	0,153	0,253	413 / 363	321 / 283
1 x 150/16	15,0	3,4	24,3	2,5	30	1950	1100	0,124	0,206	468 / 405	364 / 315
1 x 150/25	15,0	3,4	24,3	2,5	32	2012	1128	0,124	0,206	468 / 405	364 / 315
1 x 185/16	16,8	3,4	25,9	2,5	32	2350	1250	0,0991	0,164	535 / 456	418 / 357
1 x 185/25	16,8	3,4	25,9	2,5	34	2353	1269	0,0991	0,164	535 / 456	418 / 357
1 x 240/16	19,2	3,4	28,4	2,5	34	2900	1400	0,0754	0,125	631 / 526	494 / 413
1 x 240/25	19,2	3,4	28,4	2,5	36	2906	1473	0,0754	0,125	631 / 526	494 / 413
1 x 300/25	21,6	3,4	30,4	2,5	40	3483	1679	0,0601	0,100	722 / 591	568 / 466
1 x 400/35	24,6	3,4	33,6	2,5	43	4500	2076	0,0470	0,0778	827 / 662	660 / 529
1 x 500/35	27,6	3,4	36,4	2,5	45	5395	2439	0,0366	0,0605	949 / 744	767 / 602
1 x 630/35	31,5	3,4	39,3	2,5	50	7010	2900	0,0283	0,0469	1090 / 820	890 / 665

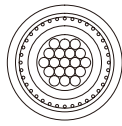


N2XS2Y/ NA2XS2Y Cu(Al)/XLPE/CWS/PE

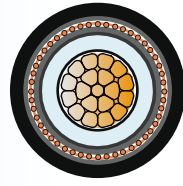
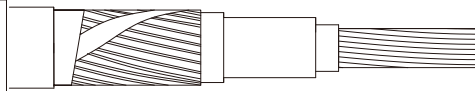


Nom. Cross Section Area	Conductor diameter	Insulation thickness	Diameter over insulation	Sheath thickness	Outer diameter	Approx. weight of cable (kg/km)		Resistance of conductor at 20°C (Ω/km)		Current carrying capacity in Air / in Ground (A)	
						N2XS2Y	NA2XS2Y	N2XS2Y	NA2XS2Y	N2XS2Y	NA2XS2Y
12/20 kV											
N x mm ²	mm	mm	mm	mm	mm	N2XS2Y	NA2XS2Y	N2XS2Y	NA2XS2Y	N2XS2Y	NA2XS2Y
1 x 50/16	8,6	5,5	21,7	2,5	30	1088	806	0,387	0,641	239 / 227	185 / 172
1 x 70/16	10,2	5,5	23,4	2,5	31	1318	903	0,268	0,443	297 / 271	231 / 210
1 x 95/16	12,0	5,5	25,0	2,5	33	1592	1029	0,193	0,320	361 / 323	280 / 251
1 x 120/16	13,5	5,5	27,0	2,5	34	1843	1135	0,153	0,253	416 / 367	323 / 286
1 x 150/16	15,0	5,5	28,5	2,5	34	2150	1251	0,124	0,206	470 / 409	366 / 319
1 x 150/25	15,0	5,5	28,5	2,5	36	2207	1320	0,124	0,206	470 / 409	366 / 319
1 x 185/16	16,8	5,5	30,1	2,5	36	2550	1450	0,0991	0,164	538 / 461	420 / 361
1 x 185/25	16,8	5,5	30,1	2,5	39	2559	1474	0,0991	0,164	538 / 461	420 / 361
1 x 240/16	19,2	5,5	32,6	2,5	39	3100	1693	0,0754	0,125	634 / 532	496 / 417
1 x 240/25	19,2	5,5	32,6	2,5	41	3127	1750	0,0754	0,125	634 / 532	496 / 417
1 x 300/25	21,6	5,5	34,6	2,5	44	3717	1911	0,0601	0,100	724 / 599	569 / 471
1 x 400/35	24,6	5,5	37,8	2,5	47	4634	2330	0,0470	0,0778	829 / 671	660 / 535
1 x 500/35	27,6	5,5	40,6	2,5	51	5665	2708	0,0366	0,0605	953 / 754	766 / 609
1 x 630/35	31,5	5,5	44,3	2,5	53	7340	3177	0,0283	0,0469	1090 / 820	890 / 675

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Diameter over insulation	Sheath thickness	Outer diameter	Approx. weight of cable (kg/km)		Resistance of conductor at 20°C (Ω/km)		Current carrying capacity in Air / in Ground (A)	
						N2XS2Y	NA2XS2Y	N2XS2Y	NA2XS2Y	N2XS2Y	NA2XS2Y
18/30 kV											
N x mm ²	mm	mm	mm	mm	mm	N2XS2Y	NA2XS2Y	N2XS2Y	NA2XS2Y	N2XS2Y	NA2XS2Y
1 x 50/16	8,6	8,0	26,7	2,5	35	1307	1036	0,387	0,641	741 / 225	187 / 174
1 x 70/16	10,2	8,0	28,4	2,5	36	1550	1146	0,268	0,443	299 / 274	232 / 213
1 x 95/16	12,0	8,0	30,0	2,5	38	1837	1286	0,193	0,32	363 / 327	282 / 254
1 x 120/16	13,5	8,0	32,0	2,5	39	2099	1404	0,153	0,253	418 / 371	325 / 289
1 x 150/25	15,0	8,0	33,5	2,5	41	2473	1598	0,124	0,206	472 / 414	367 / 322
1 x 185/25	16,8	8,0	35,1	2,5	43	2838	1776	0,0991	0,164	539 / 466	421 / 364
1 x 240/25	19,2	8,0	37,6	2,5	46	3423	2004	0,0754	0,125	635 / 539	496 / 422
1 x 300/25	21,6	8,0	39,6	2,5	49	4028	2300	0,0601	0,100	725 / 606	568 / 476
1 x 400/35	24,6	8,0	42,8	2,5	52	4150	2682	0,0470	0,0778	831 / 680	650 / 541
1 x 500/35	27,6	8,0	45,6	2,5	57	5100	3150	0,0366	0,0605	953 / 765	764 / 616
1 x 630/35	31,5	8,0	49,3	2,5	60	6200	3605	0,0283	0,0469	1090 / 820	877 / 702



N2XS(F)2Y/ NA2XS(F)2Y_{Cu(Al)}/XLPE/CWS/PE



Features

- IEC60502-2 approval
- Excellent electrical property of high quality Cu/Al conductor
- PE sheath secures increased mechanical resistance during and after laying
- Longitudinally watertight
- Competitive prices & fast delivery

Construction

- ① Conductor Stranded copper wires for N2XS(F)2Y; Stranded aluminum wires for NA2XS(F)2Y. Multi wire stranded compacted (RM), class 2
- ② Screen Semi-conductive conductor screen
- ③ Insulation XLPE (Cross-Linked Polyethylene)
- ④ Screen Semi-conductive insulation screen
- ⑤ Tape Semiconducting water-blocking tape
- ⑥ Metallic Screen Copper wire + Copper tape counter-helix
- ⑦ Tape Non-conducting tape
- ⑧ Outer sheath Rigid PE (polyethylene)

- Insulation Color Natural
- Sheath Color Black or Red

Technical data

■ Voltage:

Rated voltage U ₀ /U	6/10 kV	12/20 kV	18/30 kV
Max. voltage	12 kV	24 kV	36 kV
Test voltage (5 min)	21 KV AC	42 KV AC	63 KV AC

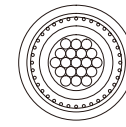
- Temperature range Fixed: -20°C to +70°C
Flexed: -5°C to +70°C

- Short circuit temperature +250°C 5s
- Minimum bending radius 15 x outer Ø

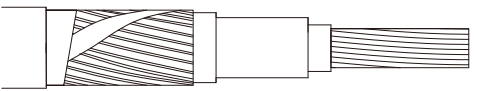
Applications

- For static application in ground, within and outside facilities, outdoor, in cable canals, in dry areas or in water. Used in transformer stations, switching blocks, in electric power plants and industrial plants.

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Diameter over insulation	Sheath thickness	Outer diameter	Approx. weight of cable (kg/km)		Resistance of conductor at 20°C (Ω/km)		Current carrying capacity in Air / in Ground (A)	
						N2XS(F)2Y	NA2XS(F)2Y	N2XS(F)2Y	NA2XS(F)2Y	N2XS(F)2Y	NA2XS(F)2Y
6/10 kV											
N x mm ²	mm	mm	mm	mm	mm	N2XS(F)2Y	NA2XS(F)2Y	N2XS(F)2Y	NA2XS(F)2Y	N2XS(F)2Y	NA2XS(F)2Y
1 x 35/16	7,5	3,4	16,3	2,5	25	803	548	0,524	0,868	197 / 187	160 / 145
1 x 50/16	8,6	3,4	17,5	2,5	26	934	653	0,387	0,641	236 / 220	183 / 171
1 x 70/16	10,2	3,4	19,2	2,5	27	1154	740	0,268	0,443	294 / 268	228 / 208
1 x 95/16	12,0	3,4	20,8	2,5	29	1418	856	0,193	0,320	358 / 320	278 / 248
1 x 120/16	13,5	3,4	22,8	2,5	30	1660	954	0,153	0,253	413 / 363	321 / 283
1 x 150/25	15,0	3,4	24,3	2,5	32	2016	1132	0,124	0,206	468 / 405	364 / 315
1 x 185/25	16,8	3,4	25,9	2,5	34	2357	1273	0,0991	0,164	535 / 456	418 / 357
1 x 240/25	19,2	3,4	28,4	2,5	36	2911	1478	0,0754	0,125	631 / 526	494 / 413
1 x 300/25	21,6	3,4	30,4	2,5	40	3488	1684	0,0601	0,100	722 / 591	568 / 466
1 x 400/35	24,6	3,4	33,6	2,5	43	4507	082	0,0470	0,0778	827 / 662	660 / 529
1 x 500/35	27,6	3,4	36,4	2,5	45	5404	2445	0,0366	0,0605	949 / 744	767 / 602

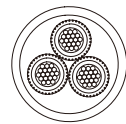


N2XS(F)2Y/ NA2XS(F)2Y_{Cu(Al)}/XLPE/CWS/PE

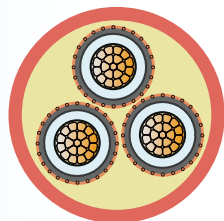
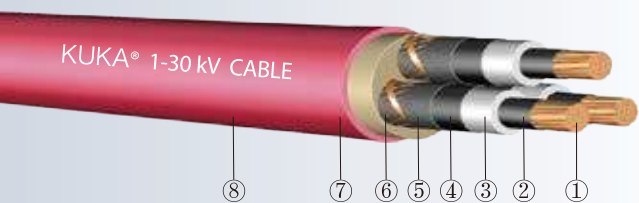


Nom. Cross Section Area	Conductor diameter	Insulation thickness	Diameter over insulation	Sheath thickness	Outer diameter	Approx. weight of cable (kg/km)		Resistance of conductor at 20°C (Ω/km)		Current carrying capacity in Air / in Ground (A)	
						N2XS(F)2Y	NA2XS(F)2Y	N2XS(F)2Y	NA2XS(F)2Y	N2XS(F)2Y	NA2XS(F)2Y
12/20 kV											
N x mm ²	mm	mm	mm	mm	mm	N2XS(F)2Y	NA2XS(F)2Y	N2XS(F)2Y	NA2XS(F)2Y	N2XS(F)2Y	NA2XS(F)2Y
1 x 35/16	7,5	3,4	20,5	2,5	28	980	708	0,524	0,868	200 / 189	161 / 146
1 x 50/16	8,6	3,4	21,7	2,5	30	1091	810	0,387	0,641	239 / 222	185 / 172
1 x 70/16	10,2	3,4	23,4	2,5	31	1322	907	0,268	0,443	297 / 271	231 / 210
1 x 95/16	12,0	3,4	25,0	2,5	33	1596	1034	0,193	0,320	361 / 323	280 / 251
1 x 120/16	13,5	3,4	27,0	2,5	34	1847	1139	0,153	0,253	416 / 367	323 / 286
1 x 150/25	15,0	3,4	28,5	2,5	36	2212	1324	0,124	0,206	470 / 409	366 / 319
1 x 185/25	16,8	3,4	30,1	2,5	39	2564	1479	0,0991	0,164	538 / 461	420 / 361
1 x 240/25	19,2	3,4	32,6	2,5	41	3132	1698	0,0754	0,125	634 / 532	496 / 417
1 x 300/25	21,6	3,4	34,6	2,5	44	3722	1917	0,0601	0,100	724 / 599	569 / 471
1 x 400/35	24,6	3,4	37,8	2,5	47	4639	2336	0,0470	0,0778	829 / 671	660 / 535
1 x 500/35	27,6	3,4	40,6	2,5	50	5670	2698	0,0366	0,0605	953 / 754	766 / 609

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Diameter over insulation	Sheath thickness	Outer diameter	Approx. weight of cable (kg/km)		Resistance of conductor at 20°C (Ω/km)		Current carrying capacity in Air / in Ground (A)	
						N2XS(F)2Y	NA2XS(F)2Y	N2XS(F)2Y	NA2XS(F)2Y	N2XS(F)2Y	NA2XS(F)2Y
18/30 kV											
N x mm ²	mm	mm	mm	mm	mm	N2XS(F)2Y	NA2XS(F)2Y	N2XS(F)2Y	NA2XS(F)2Y	N2XS(F)2Y	NA2XS(F)2Y
1 x 50/16	8,6	8,0	26,7	2,5	35	1312	1040	0,387	0,641	241 / 225	187 / 174
1 x 70/16	10,2	8,0	28,4	2,5	36	1555	1151	0,268	0,443	299 / 274	232 / 213
1 x 95/16	12,0	8,0	30,0	2,5	38	1842	1290	0,193	0,320	363 / 327	282 / 254
1 x 120/16	13,5	8,0	32,0	2,5	39	2104	1409	0,153	0,253	418 / 371	325 / 289
1 x 150/25	15,0	8,0	33,5	2,5	41	2478	1603	0,124	0,206	472 / 414	367 / 322
1 x 185/25	16,8	8,0	35,1	2,5	43	2843	1771	0,0991	0,164	539 / 466	421 / 364
1 x 240/25	19,2	8,0	37,6	2,5	46	3428	2009	0,0754	0,125	635 / 539	496 / 422
1 x 300/25	21,6	8,0	39,6	2,5	49	4033	2704	0,0601	0,100	725 / 606	568 / 476
1 x 400/35	24,6	8,0	42,8	2,5	52	4156	2682	0,0470	0,0778	831 / 680	650 / 541
1 x 500/35	27,6	8,0	45,6	2,5	54	5107	30	0,0366	0,0605	953 / 765	764 / 616



N2XSEY Cu/XLPE/CWS/PE 6/10 kV



Features

- IEC60502-2 approval
- Excellent electrical property of high quality Cu conductor
- High mechanical strength, powerful resistance to chemical attack.
- Customized packing as per solar site
- Competitive prices & fast delivery

Construction

- ① Conductor Stranded copper conductor, Multi wire stranded compacted (RM), class 2
- ② Screen Semi-conductive conductor screen
- ③ Insulation XLPE (Cross-Linked Polyethylene)
- ④ Screen Semi-conductive insulation screen
- ⑤ Tape Semi-conductive nylon tape
- ⑥ Metallic Screen Copper wire + Copper tape counter-helix
- ⑦ Tape Non-conducting tape
- ⑧ Outer sheath PVC (Polyvinyl Chloride)

- Sheath Color ● Red

Technical data

- Voltage Rating U_0/U (U_m) 6/10 (12)kV
- Test Voltage 21kV
- Temperature range Fixed: -20°C to +70°C
- Max. operating temp. +90 °C
- Short circuit temperature +250°C 5s
- Minimum bending radius 12 x outer Ø

Applications

- For distribution networks; also for connection to generation units and plant and process connection. The cables are suitable for installation indoors, outdoors, in the ground and in water.

Nom. Cross Section Area	Conductor diameter	Insulation thickness	Diameter over insulation	Sheath thickness	Outer diameter	Approx. weight of cable	Resistance of conductor at 20°C	Current carrying capacity in Air	Current carrying capacity in Ground
N x mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	A	A
3 x 35/16	7,5	3,4	16,3	2,5	50	3300	0,524	175	179
3 x 50/16	8,6	3,4	17,5	2,5	53	3900	0,387	209	211
3 x 70/16	10,2	3,4	19,2	2,6	57	4700	0,268	260	258
3 x 95/16	12,0	3,4	20,8	2,8	61	5850	0,193	315	309
3 x 120/16	13,5	3,4	22,8	2,9	64	6800	0,153	362	351
3 x 150/25	15,0	3,4	24,3	3,0	68	7950	0,124	411	394
3 x 185/25	16,8	3,4	25,9	3,1	74	9300	0,0991	469	445
3 x 240/25	19,2	3,4	28,4	3,3	78	11550	0,0754	552	517



& Rubber Cable & Betteri Connection cable

