

NYRY 2x(1.5-400)mm²

CU/PVC/SWA/PVC



FLAME RETARDANT AND UV RESISTANT/ REDUCED FLAME PRPPAGATION

Construction

Conductor:	plain annealed copper, class 1 or class 2 acc. to IEC 60228 ≤ 50 mm ² : circular solid (RE) or circular stranded (RM), > 50 mm ² : sector-shaped stranded (SM)
Insulation:	polyvinyl chloride PVC
Colour code:	blue, black
Laying up:	cores twisted in layers (if necessary with filling element(s))
Wrapping:	at least 1 layer of plastic tape
Bedding:	Polyvinyl Chloride (PVC)
Armour:	a layer of thin round galvanized steel wires
Sheath:	UV resistant PVC (EN 50363-4-1, DIN VDE 207 TM2)
sheath colour:	Black Ral 9005

Technical data

Temperature range:	
During installation :	-5 °C up to +50 °C
during operation:	-30 °C up to +70 °C
at short circuit of max.	≤ 300 mm ² : max. +160 °C > 300 mm ² : max. +140 °C
ambient temperature at storage:	up to 40 °C
Nominal voltage:	U ₀ /U = 0.6/1 KV
Test voltage:core/core	3.5 KV AC for 5 Min
Minimal inner bending radius:	10 X Cable Φ
Behavior in fire:	IEC 60332-1
Flame propagation:	IEC 60332-3 cat.A
Conductor resistance:	Acc to IEC 60228

Design Standard

IEC 60502-1

DIN VDE 0271

Abbreviations

Y insulation & outer sheath of PVC
fl reduced flame propagation






NYRY 2 x (1.5-400)mm²

CU/PVC/SWA/PVC

Code No.	Dimensions – number of cores x conductor cross-section	Construction	Insulation thickness	sheath thickness	Diameter under Armour	Armour wire Diameter	External diameter	Cable weight	Packing*
	N x mm ²	RE/RM/SM	nom. mm	Nom. mm	nom. mm	mm	mm	Nom. kg/km	
422150	2 x 1.5	RM	0.8	1.8	8.2	0.9	13.7	360	CUT
422151	2 x 1.5	RE	0.8	1.8	7.6	0.9	12.9	320	CUT
422250	2 x 2.5	RM	0.8	1.8	9.1	0.9	14.5	370	CUT
422251	2 x 2.5	RE	0.8	1.8	8.7	0.9	13.4	350	CUT
42240	2 x 4	RM	1,0	1.8	11.3	0.9	16.4	520	CUT
42241	2 x 4	RE	1,0	1.8	10.8	0.9	15.0	410	CUT
42260	2 x 6	RM	1,0	1.8	12.3	1.25	18.2	650	CUT
421261	2 x 6	RE	1,0	1.8	11.8	1.25	16.4	480	CUT
422100	2 x 10	RM	1,0	1.8	14.3	1.25	20.1	600	CUT
422101	2 x 10	RE	1,0	1.8	13.5	1.25	18.3	510	CUT
422160	2 x 16	RM	1,0	1.8	16.3	1.25	22.3	600	CUT
42261	2 x 16	RE	1,0	1.8	14.6	1.25	19.1	510	CUT
42225	2 x 25	RM	1,2	1.8	19.5	1.6	26.2	960	CUT
42235	2 x 35	RM	1,2	1.8	20.7	1.6	27.5	1350	CUT
42250	2 x 50	SM	1,4	1.9	21.2	1.6	28.1	1670	CUT
42270	2 x 70	SM	1,4	2.0	24.2	2.0	32.1	1845	CUT
42295	2 x 95	SM	1,6	2.2	28.1	2.0	36.6	2310	CUT
422120	2 x 120	SM	1,6	2.3	31.1	2.0	39.6	3145	CUT
422150	2 x 150	SM	1,8	2.4	34.2	2.5	44.2	3865	CUT
422185	2 x 185	SM	2,0	2.6	38.1	2.5	48.6	4640	CUT
422240	2 x 240	SM	2,2	2.8	43.1	2.5	53.7	6090	CUT
422300	2 x 300	SM	2,4	2.9	48.1	2.5	59.6	7360	CUT
422400	2 x 400	SM	2,6	3.1	54.2	2.5	65.4	10820	CUT

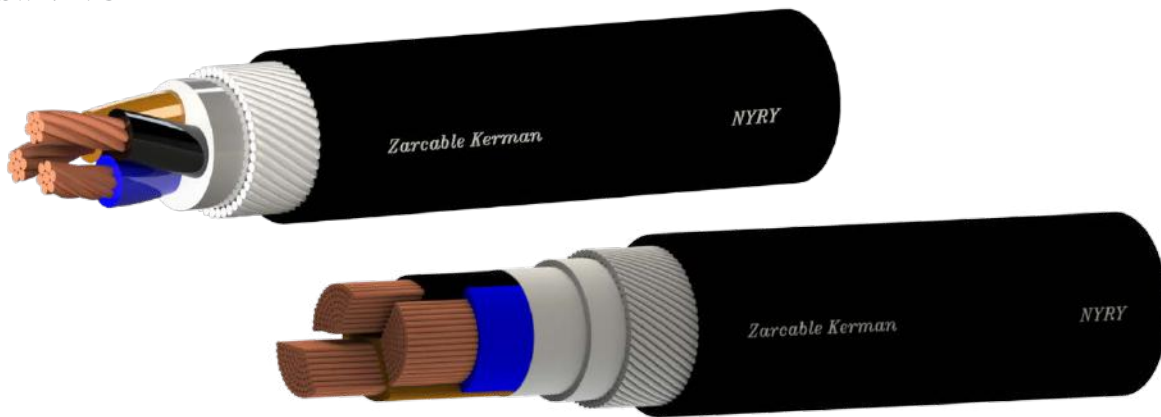
*)Packing: CUT= cable in different lengths on drum or reel, possible cutting at required

Current rating (AC) U₀/U (0.6/1KV) copper conductors Laid in air

Nominal cross-sectional area nom.(mm ²)						
	PVC	XLPE	PVC	XLPE	PVC	XLPE
1.5	27	33	20	24	21	27
2.5	35	43	26	32	28	36
4	47	57	34	42	37	47
6	59	72	43	53	47	59
10	81	99	59	73	64	81
16	107	131	78	97	84	109
25	144	177	105	132	114	146
35	176	217	129	162	139	179
50	214	265	157	197	169	218
70	270	336	199	250	213	275
95	334	415	246	308	264	336
120	389	485	285	359	307	388
150	446	557	326	412	352	438
185	516	647	374	475	406	501
240	618	775	445	564	483	580
300	711	894	510	649	552	649
400	843	1061	597	761	646	734

NYRY 3 x (1.5-300)mm²

CU/PVC/SWA/PVC



FLAME RETARDANT AND UV RESISTANT/ REDUCED FLAME PROPAGATION

Construction

Conductor:	plain annealed copper, class 1 or class 2 acc. to IEC 60228 ≤ 50 mm ² : circular solid (RE) or circular stranded (RM), > 50 mm ² : sector-shaped stranded (SM)
Insulation:	polyvinyl chloride PVC
Colour code:	blue, black, Yellow/Green
Laying up:	cores twisted in layers (if necessary with filling element(s))
Wrapping:	at least 1 layer of plastic tape
Bedding:	Polyvinyl Chloride (PVC)
Armour:	a layer of thin round galvanized steel wires
Sheath:	UV resistant PVC (EN 50363-4-1, DIN VDE 207 TM2)
sheath colour:	Black Ral 9005

Abbreviations

Y insulation & outer sheath of PVC
fl reduced flame propagation



Technical data

Temperature range:	
During installation :	-5 °C up to +50 °C
during operation:	-30 °C up to +70 °C
at short circuit of max.	≤ 300 mm ² : max. +160 °C > 300 mm ² : max. +140 °C
ambient temperature at storage:	up to 40 °C
Nominal voltage:	U ₀ /U = 0.6/1 KV
Test voltage:core/core	3.5 KV AC for 5 Min
Minimal inner bending radius:	12 X Cable Ø
Behavior in fire:	IEC 60332-1
Flame propagation:	IEC 60332-3 cat.A
Conductor resistance:	Acc to IEC 60228

Design Standard

IEC 60502-1

DIN VDE 0271

Application :

Distribution and signal power cable for static application, mostly in ground, but also in water, within and outside facilities, in cable canals, in concrete. Used in electric power plants and other electric plants, in industry, metropolitan networks and for connection of signalling devices in industry, traffic and similar. Resistant to mechanical loads, able to sustain heavier mechanical tensile strains, could be laid slantingly or vertically, same as on grounds exposed to land-sliding.




NYRY 3 x (1.5-300)mm²

CU/PVC/SWA/PVC

Code No.	Dimensions – number of cores x conductor cross-section	Construction	Insulation thickness	sheath thickness	Diameter under Armour	Armour wire Diameter	External diameter	Cable weight	Packing*
	N x mm ²	RE/RM/SM	nom. mm	Nom. mm	nom. mm	mm	mm	Nom. kg/km	
423150	3 x 1.5	RM	0.8	1.8	8.9	0.9	14.4	400	CUT
423151	3 x 1.5	RE	0.8	1.8	8.1	0.9	14.0	380	CUT
423250	3 x 2.5	RM	0.8	1.8	9.8	0.9	15.3	460	CUT
423251	3 x 2.5	RE	0.8	1.8	9.1	0.9	15.0	450	CUT
42340	3 x 4	RM	1,0	1.8	11.8	1.25	17.8	700	CUT
42341	3 x 4	RE	1,0	1.8	11.1	1.25	17.1	680	CUT
42360	3 x 6	RM	1,0	1.8	13.0	1.25	19.5	830	CUT
42361	3 x 6	RE	1,0	1.8	12.2	1.25	18.9	800	CUT
423100	3x 10	RM	1,0	1.8	15.1	1.25	21.3	1050	CUT
423101	3 x 10	RE	1,0	1.8	14.6	1.25	20.9	1010	CUT
423160	3 x 16	RM	1,0	1.8	17.4	1.25	23.6	1360	CUT
42316	3 x 16	RE	1,0	1.8	16.8	1.25	23.1	1340	CUT
42325	3 x 25	RM	1,2	1.8	21.1	1.6	27.9	1990	CUT
42335	3 x 35	RM	1,2	1.8	22.2	1.6	29.1	2300	CUT
42350	3 x 50	SM	1,4	2.0	24.1	2.0	31.6	2800	CUT
42370	3 x 70	SM	1,4	2.1	27.8	2.0	35.9	3810	CUT
42395	3 x 95	SM	1,6	2.2	31.6	2.0	40.1	4770	CUT
423120	3x 120	SM	1,6	2.3	34.3	2.0	42.8	5650	CUT
423150	3 x 150	SM	1,8	2.5	38.6	2.5	48.6	7280	CUT
423185	3 x 185	SM	2,0	2.7	42.3	2.5	52.8	8650	CUT
423240	3 x 240	SM	2,2	2.9	47.8	2.5	58.9	10730	CUT
423300	3 x 300	SM	2,4	2.9	49.1	2.5	60.8	12600	CUT

*)Packing: CUT= cable in different lengths on drum or reel, possible cutting at required

Current rating (AC) $\leq U_0/U$ (0.6/1KV) copper conductors Laid in air

Nominal cross-sectional area nom.(mm ²)						
	PVC	XLPE	PVC	XLPE	PVC	XLPE
1.5	27	33	20	24	21	27
2.5	35	43	26	32	28	36
4	47	57	34	42	37	47
6	59	72	43	53	47	59
10	81	99	59	73	64	81
16	107	131	78	97	84	109
25	144	177	105	132	114	146
35	176	217	129	162	139	179
50	214	265	157	197	169	218
70	270	336	199	250	213	275
95	334	415	246	308	264	336
120	389	485	285	359	307	388
150	446	557	326	412	352	438
185	516	647	374	475	406	501
240	618	775	445	564	483	580
300	711	894	510	649	552	649

NYRY 4 x (1.5-300)mm²



FLAME RETARDANT AND UV RESISTANT/ REDUCED FLAME PROPAGATION

Construction

Conductor:	plain annealed copper, class 1 or class 2 acc. to IEC 60228 ≤ 50 mm ² : circular solid (RE) or circular stranded (RM), > 50 mm ² : sector-shaped stranded (SM)
Insulation:	polyvinyl chloride PVC
Colour code:	blue, black, Brown, Yellow/Green
Laying up:	cores twisted in layers (if necessary with filling element(s))
Wrapping:	at least 1 layer of plastic tape
Bedding:	Polyvinyl Chloride (PVC)
Armour:	a layer of thin round galvanized steel wires
Sheath:	UV resistant PVC (EN 50363-4-1, DIN VDE 207 TM2)
sheath colour:	Black Ral 9005

Abbreviations

Y insulation & outer sheath of PVC
fl reduced flame propagation



Technical data

Temperature range:	
During installation :	-5 °C up to +50 °C
during operation:	-30 °C up to +70 °C
at short circuit of max.	≤ 300 mm ² : max. +160 °C > 300 mm ² : max. +140 °C
ambient temperature at storage:	up to 40 °C
Nominal voltage:	U ₀ /U = 0.6/1 KV
Test voltage:core/core	3.5 KV AC for 5 Min
Minimal inner bending radius:	12 X Cable Φ
Behavior in fire:	IEC 60332-1
Flame propagation:	IEC 60332-3 cat.A
Conductor resistance:	Acc to IEC 60228

Design Standard

IEC 60502-1

DIN VDE 0271

Application :

Distribution and signal power cable for static application, mostly in ground, but also in water, within and outside facilities, in cable canals, in concrete. Used in electric power plants and other electric plants, in industry, metropolitan networks and for connection of signalling devices in industry, traffic and similar. Resistant to mechanical loads, able to sustain heavier mechanical tensile strains, could be laid slantingly or vertically, same as on grounds exposed to land-sliding.




NYRY 4 x (1.5-300)mm²

CU/PVC/SWA/PVC

Code No.	Dimensions – number of cores x conductor cross-section	Construction	Insulation thickness	sheath thickness	Diameter under Armour	Armour wire Diameter	External diameter	Cable weight	Packing*
	N x mm ²	RE/RM/SM	nom. mm	Nom. mm	nom. mm	mm	mm	Nom. kg/km	
424150	4 x 1.5	RM	0.8	1.8	9.7	0.9	15.1	445	CUT
424151	4 x 1.5	RE	0.8	1.8	9.1	0.9	14.8	430	CUT
424250	4 x 2.5	RM	0.8	1.8	10.6	0.9	16.2	530	CUT
424251	4 x 2.5	RE	0.8	1.8	10.1	0.9	15.8	510	CUT
42440	4 x 4	RM	1,0	1.8	13.1	1.25	19.2	810	CUT
42441	4 x 4	RE	1,0	1.8	12.8	1.25	18.9	980	CUT
42460	4 x 6	RM	1,0	1.8	14.2	1.25	20.6	950	CUT
42461	4 x 6	RE	1,0	1.8	13.9	1.25	20.1	930	CUT
424100	4 x 10	RM	1,0	1.8	16.5	1.25	22.8	1230	CUT
424101	4 x 10	RE	1,0	1.8	16.1	1.25	22.3	1210	CUT
424160	4 x 16	RM	1,0	1.8	19.3	1.6	25.9	1750	CUT
42416	4 x 16	RE	1,0	1.8	19.0	1.6	25.3	1710	CUT
42425	4 x 25	RM	1,2	1.8	23.7	1.6	30.3	2360	CUT
42435	4 x 35	RM	1,2	1.9	24.6	1.6	31.9	2770	CUT
42450	4 x 50	SM	1,4	2.1	27.1	2.0	35.8	3700	CUT
42470	4 x 70	SM	1,4	2.2	30.5	2.0	39.1	4720	CUT
42495	4 x 95	SM	1,6	2.4	35.1	2.5	44.9	6380	CUT
424120	4x 120	SM	1,6	2.5	38.6	2.5	48.3	7610	CUT
424150	4 x 150	SM	1,8	2.7	42.8	2.5	53.3	9150	CUT
424185	4 x 185	SM	2,0	2.9	47.3	2.5	58.4	10950	CUT
424240	4 x 240	SM	2,2	3.1	53.2	2.5	64.5	13620	CUT
424300	4 x 300	SM	2,4	3.3	58.9	2.5	70.6	16420	CUT

*)Packing: CUT= cable in different lengths on drum or reel, possible cutting at required

Current rating (AC) U₀/U (0.6/1KV) copper conductors Laid in air

Nominal cross-sectional area nom.(mm ²)						
	PVC	XLPE	PVC	XLPE	PVC	XLPE
1.5	27	33	20	24	21	27
2.5	35	43	26	32	28	36
4	47	57	34	42	37	47
6	59	72	43	53	47	59
10	81	99	59	73	64	81
16	107	131	78	97	84	109
25	144	177	105	132	114	146
35	176	217	129	162	139	179
50	214	265	157	197	169	218
70	270	336	199	250	213	275
95	334	415	246	308	264	336
120	389	485	285	359	307	388
150	446	557	326	412	352	438
185	516	647	374	475	406	501
240	618	775	445	564	483	580
300	711	894	510	649	552	649

NYRY 5 x (1.5-240)mm²

CU/PVC/SWA/PVC



FLAME RETARDANT AND UV RESISTANT/ REDUCED FLAME PROPAGATION

Construction

Conductor:	plain annealed copper, class 1 or class 2 acc. to IEC 60228 ≥ 35 mm ² : Compacted Conductor
Insulation:	polyvinyl chloride PVC
Colour code:	blue, black, Red, Brown, Yellow/Green
Laying up:	cores twisted in layers (if necessary with filling element(s))
Wrapping:	at least 1 layer of plastic tape
Bedding:	Polyvinyl Chloride (PVC)
Armour:	a layer of thin round galvanized steel wires
Sheath:	UV resistant PVC (EN 50363-4-1, DIN VDE 207 TM2)
sheath colour:	Black Ral 9005

Abbreviations

Y insulation & outer sheath of PVC
fl reduced flame propagation



Technical data

Temperature range:	
During installation :	-5 °C up to +50 °C
during operation:	-30 °C up to +70 °C
at short circuit of max.	≤ 300 mm ² : max. +160 °C > 300 mm ² : max. +140 °C
ambient temperature at storage:	up to 40 °C
Nominal voltage:	U ₀ /U = 0.6/1 KV
Test voltage:core/core	3.5 KV AC for 5 Min
Minimal inner bending radius:	12 X Cable Φ
Behavior in fire:	IEC 60332-1
Flame propagation:	IEC 60332-3 cat.A
Conductor resistance:	Acc to IEC 60228

Design Standard

IEC 60502-1

DIN VDE 0271

Application :

Distribution and signal power cable for static application, mostly in ground, but also in water, within and outside facilities, in cable canals, in concrete. Used in electric power plants and other electric plants, in industry, metropolitan networks and for connection of signalling devices in industry, traffic and similar. Resistant to mechanical loads, able to sustain heavier mechanical tensile strains, could be laid slantingly or vertically, same as on grounds exposed to land-sliding.




NYRY 5 x (1.5-240)mm²

CU/PVC/SWA/PVC

Code No.	Dimensions – number of cores x conductor cross-section	Construction	Insulation thickness	sheath thickness	Diameter under Armour	Armour wire Diameter	External diameter	Cable weight	Packing*
	N x mm ²	RE/RM/SM	nom. mm	Nom. mm	nom. mm	mm	mm	Nom. kg/km	
425150	5 x 1.5	RM	0.8	1.8	10.5	0.9	16.1	510	CUT
425151	5 x 1.5	RE	0.8	1.8	10.2	0.9	15.7	495	CUT
425250	5 x 2.5	RM	0.8	1.8	11.9	0.9	17.3	605	CUT
425251	5 x 2.5	RE	0.8	1.8	11.5	0.9	16.9	590	CUT
42540	5 x 4	RM	1,0	1.8	14.4	1.25	20.6	920	CUT
42541	5 x 4	RE	1,0	1.8	14.1	1.25	20.1	900	CUT
42560	5 x 6	RM	1,0	1.8	15.9	1.25	21.8	1100	CUT
42561	5 x 6	RE	1,0	1.8	15.6	1.25	21.3	1080	CUT
425100	5 x 10	RM	1,0	1.8	18.4	1.6	25.3	1560	CUT
425101	5 x 10	RE	1,0	1.8	18.1	1.6	25.1	1540	CUT
425160	5 x 16	RM	1,0	1.8	21.3	1.6	28.3	2050	CUT
42516	5 x 16	RM	1,0	1.8	21.0	1.6	28.0	2010	CUT
42525	5 x 25	RM	1,2	1.9	25.8	1.6	32.9	2820	CUT
42535	5 x 35	RM	1,2	2.0	27.6	2.0	35.6	3560	CUT
42550	5 x 50	RM	1,4	2.2	32.5	2.0	40.8	4700	CUT
42570	5 x 70	RM	1,4	2.3	36.9	2.0	45.9	6030	CUT
42595	5 x 95	RM	1,6	2.5	42.6	2.5	52.1	8270	CUT
425120	5x 120	RM	1,6	2.7	46.8	2.5	56.8	9890	CUT
425150	5 x 150	RM	1,8	2.9	52.6	2.5	62.8	12010	CUT
425185	5 x 185	RM	2,0	3.0	57.7	2.5	68.3	14290	CUT
425240	5 x 240	RM	2,2	3.3	65.1	2.5	77.1	18870	CUT

*)Packing: CUT= cable in different lengths on drum or reel, possible cutting at required

Current rating (AC) $\geq U_0/U$ (0.6/1KV) copper conductors Laid in air

Nominal cross-sectional area nom.(mm ²)						
	PVC	XLPE	PVC	XLPE	PVC	XLPE
1.5	27	33	20	24	21	27
2.5	35	43	26	32	28	36
4	47	57	34	42	37	47
6	59	72	43	53	47	59
10	81	99	59	73	64	81
16	107	131	78	97	84	109
25	144	177	105	132	114	146
35	176	217	129	162	139	179
50	214	265	157	197	169	218
70	270	336	199	250	213	275
95	334	415	246	308	264	336
120	389	485	285	359	307	388
150	446	557	326	412	352	438
185	516	647	374	475	406	501
240	618	775	445	564	483	580