

20kV POWER CABLES

N2XSY



CONSTRUCTION:

Stranded and compacted copper conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, polyester tape, PVC outer sheath

ABBREVIATION:

Cu/SC/XLPE/SC/WBSCT/CWS/PET/PVC

STANDARD:

IEC 60502-2, IEC 60228, IEC 60332

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm
1x50 RM/16	8.2	5.5	20.6	1.8	27.5
1x70 RM/16	9.9	5.5	22.3	1.9	29.5
1x95 RM/16	11.2	5.5	23.6	1.9	30.5
1x120 RM/16	12.7	5.5	25.1	2	32.5
1x150 RM/25	14.3	5.5	26.7	2.1	34.5
1x185 RM/25	16	5.5	28.5	2.1	36.5
1x240 RM/25	18.4	5.5	31	2.2	39
1x300 RM/25	20.5	5.5	33	2.3	41.5
1x400 RM/35	23.3	5.5	35.7	2.4	44.5
1x500 RM/35	26.5	5.5	39	2.5	47.5
1x630 RM/50	30.2	5.5	42.6	2.6	51.5

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C		Reactance		Capacitance
		Trefoil	Flat	Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x50 RM/16	0.387	0.497	0.509	0.125	0.183	0.167
1x70 RM/16	0.268	0.345	0.357	0.119	0.178	0.188
1x95 RM/16	0.193	0.249	0.261	0.115	0.173	0.204
1x120 RM/16	0.153	0.199	0.209	0.112	0.170	0.222
1x150 RM/25	0.124	0.163	0.179	0.109	0.167	0.241
1x185 RM/25	0.0991	0.132	0.147	0.105	0.163	0.261
1x240 RM/25	0.0754	0.102	0.116	0.102	0.160	0.289
1x300 RM/25	0.0601	0.0827	0.0958	0.099	0.157	0.314
1x400 RM/35	0.0470	0.0681	0.0848	0.095	0.154	0.347
1x500 RM/35	0.0366	0.0557	0.0709	0.093	0.151	0.384
1x630 RM/50	0.0283	0.0430	0.0548	0.090	0.148	0.428

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

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

Technical data : see page 127

20kV POWER CABLES

N2XSYRY



CONSTRUCTION:

Stranded and compacted copper conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, polyester tape, PVC inner sheath, Aluminum wire armor, PVC outer sheath

ABBREVIATION:

Cu/SC/XLPE/SC/WBSCT/CWS/PET/PVC/AWA/PVC

STANDARD:

IEC 60502-2, IEC 60228, IEC 60332

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	Armor wire diameter	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm
1x50 RM/16	8.2	5.5	20.6	2	2.1	34.5
1x70 RM/16	9.9	5.5	22.3	2	2.1	36.5
1x95 RM/16	11.2	5.5	23.6	2	2.2	38
1x120 RM/16	12.7	5.5	25.1	2	2.2	39.5
1x150 RM/25	14.3	5.5	26.7	2	2.3	41.5
1x185 RM/25	16	5.5	28.5	2	2.3	43
1x240 RM/25	18.4	5.5	31	2.5	2.5	47
1x300 RM/25	20.5	5.5	33	2.5	2.5	49.5
1x400 RM/35	23.3	5.5	35.7	2.5	2.6	52.5
1x500 RM/35	26.5	5.5	39	2.5	2.8	56.5
1x630 RM/50	30.2	5.5	42.6	2.5	2.9	60

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C		Reactance		Capacitance
		Trefoil	Flat	Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x50 RM/16	0.387	0.497	0.509	0.140	0.198	0.167
1x70 RM/16	0.268	0.345	0.357	0.132	0.190	0.188
1x95 RM/16	0.193	0.249	0.261	0.128	0.186	0.204
1x120 RM/16	0.153	0.199	0.209	0.123	0.181	0.222
1x150 RM/25	0.124	0.163	0.179	0.120	0.178	0.241
1x185 RM/25	0.0991	0.132	0.147	0.116	0.174	0.261
1x240 RM/25	0.0754	0.102	0.116	0.114	0.172	0.289
1x300 RM/25	0.0601	0.0827	0.0958	0.110	0.168	0.314
1x400 RM/35	0.0470	0.0681	0.0848	0.107	0.165	0.347
1x500 RM/35	0.0366	0.0557	0.0709	0.103	0.161	0.384
1x630 RM/50	0.0283	0.0430	0.0548	0.100	0.158	0.428

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

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

Technical data : see page 127

20kV POWER CABLES N2XSYBY



CONSTRUCTION:

Stranded and compacted copper conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, polyester tape, PVC inner sheath, Aluminum tape armor, PVC outer sheath

ABBREVIATION:

Cu/SC/XLPE/SC/WBSCT/CWS/PET/PVC/ATA/PVC

STANDARD:

IEC 60502-2, IEC 60228, IEC 60332

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	Armor tape thickness	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm
1x50 RM/16	8.2	5.5	20.6	0.5	2	32.5
1x70 RM/16	9.9	5.5	22.3	0.5	2	34
1x95 RM/16	11.2	5.5	23.6	0.5	2.1	35.5
1x120 RM/16	12.7	5.5	25.1	0.5	2.1	37
1x150 RM/25	14.3	5.5	26.7	0.5	2.2	39.5
1x185 RM/25	16	5.5	28.5	0.5	2.3	41
1x240 RM/25	18.4	5.5	31	0.5	2.4	44
1x300 RM/25	20.5	5.5	33	0.5	2.4	46
1x400 RM/35	23.3	5.5	35.7	0.5	2.5	49.5
1x500 RM/35	26.5	5.5	39	0.5	2.7	53.5
1x630 RM/50	30.2	5.5	42.6	0.5	2.8	57.5

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C		Reactance		Capacitance
		Trefoil	Flat	Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x50 RM/16	0.387	0.497	0.509	0.135	0.193	0.167
1x70 RM/16	0.268	0.345	0.357	0.128	0.186	0.188
1x95 RM/16	0.193	0.249	0.261	0.124	0.182	0.204
1x120 RM/16	0.153	0.199	0.209	0.120	0.178	0.222
1x150 RM/25	0.124	0.163	0.179	0.116	0.174	0.241
1x185 RM/25	0.0991	0.132	0.147	0.113	0.171	0.261
1x240 RM/25	0.0754	0.102	0.116	0.109	0.167	0.289
1x300 RM/25	0.0601	0.0827	0.0958	0.106	0.164	0.314
1x400 RM/35	0.0470	0.0681	0.0848	0.102	0.160	0.347
1x500 RM/35	0.0366	0.0557	0.0709	0.099	0.157	0.384
1x630 RM/50	0.0283	0.0430	0.0548	0.096	0.154	0.428

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

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

Technical data : see page 127

20kV POWER CABLES NA2XSY



CONSTRUCTION:

Stranded and compacted aluminum conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, polyester tape, PVC outer sheath

ABBREVIATION:

AL/SC/XLPE/SC/WBSCT/CWS/PET/PVC

STANDARD:

IEC 60502-2, IEC 60228, IEC 60332

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm
1x50 RM/16	8.2	5.5	20.6	1.8	27.5
1x70 RM/16	9.9	5.5	22.3	1.9	29.5
1x95 RM/16	11.2	5.5	23.6	1.9	30.6
1x120 RM/16	12.7	5.5	25.1	2	32.5
1x150 RM/25	14.3	5.5	26.7	2.1	34.5
1x185 RM/25	16	5.5	28.5	2.1	36.5
1x240 RM/25	18.4	5.5	31	2.2	39
1x300 RM/25	20.5	5.5	33	2.3	41.5
1x400 RM/35	23.3	5.5	35.7	2.4	44.5
1x500 RM/35	26.5	5.5	39	2.5	47.5
1x630 RM/50	30.2	5.5	42.6	2.6	51.5

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C		Reactance		Capacitance
		Trefoil	Flat	Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x50 RM/16	0.641	0.825	0.838	0.125	0.183	0.167
1x70 RM/16	0.443	0.571	0.583	0.119	0.178	0.188
1x95 RM/16	0.320	0.413	0.425	0.115	0.173	0.204
1x120 RM/16	0.253	0.328	0.338	0.112	0.170	0.222
1x150 RM/25	0.206	0.269	0.285	0.109	0.167	0.241
1x185 RM/25	0.164	0.215	0.230	0.105	0.163	0.261
1x240 RM/25	0.125	0.165	0.180	0.102	0.160	0.289
1x300 RM/25	0.100	0.133	0.147	0.099	0.157	0.314
1x400 RM/35	0.0778	0.107	0.124	0.095	0.154	0.347
1x500 RM/35	0.0605	0.0825	0.101	0.093	0.151	0.384
1x630 RM/50	0.0469	0.0639	0.0783	0.090	0.148	0.428

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

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

Technical data : see page 127

20kV POWER CABLES NA2XSRY



CONSTRUCTION:

Stranded and compacted aluminum conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, polyester tape, PVC inner sheath, Aluminum wire armor, PVC outer sheath

ABBREVIATION:

AL/SC/XLPE/SC/WBSCT/CWS/PET/PVC/AWA/PVC

STANDARD:

IEC 60502-2, IEC 60228, IEC 60332

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	Aarmor wire diameter	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm
1x50 RM/16	8.2	5.5	20.6	2	2.1	34.5
1x70 RM/16	9.9	5.5	22.3	2	2.1	36.5
1x95 RM/16	11.2	5.5	23.6	2	2.2	38
1x120 RM/16	12.7	5.5	25.1	2	2.2	39.5
1x150 RM/25	14.3	5.5	26.7	2	2.3	41.5
1x185 RM/25	16	5.5	28.5	2	2.3	43
1x240 RM/25	18.4	5.5	31	2.5	2.5	47
1x300 RM/25	20.5	5.5	33	2.5	2.5	49.5
1x400 RM/35	23.3	5.5	35.7	2.5	2.6	52.5
1x500 RM/35	26.5	5.5	39	2.5	2.8	56.5
1x630 RM/50	30.2	5.5	42.6	2.5	2.9	60

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C		Reactance		Capacitance
		Trefoil	Flat	Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x50 RM/16	0.641	0.825	0.838	0.140	0.198	0.167
1x70 RM/16	0.443	0.571	0.583	0.132	0.190	0.188
1x95 RM/16	0.320	0.413	0.425	0.128	0.186	0.204
1x120 RM/16	0.253	0.328	0.338	0.123	0.181	0.222
1x150 RM/25	0.206	0.269	0.285	0.120	0.178	0.241
1x185 RM/25	0.164	0.215	0.230	0.116	0.174	0.261
1x240 RM/25	0.125	0.165	0.180	0.114	0.172	0.289
1x300 RM/25	0.100	0.133	0.147	0.110	0.168	0.314
1x400 RM/35	0.0778	0.107	0.124	0.107	0.165	0.347
1x500 RM/35	0.0605	0.0825	0.101	0.103	0.161	0.384
1x630 RM/50	0.0469	0.0639	0.0783	0.100	0.158	0.428

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

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

Technical data : see page 127

20kV POWER CABLES NA2XSYBY



CONSTRUCTION:

Stranded and compacted aluminum conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, polyester tape, PVC inner sheath, Aluminum tape armor, PVC outer sheath

ABBREVIATION:

AL/SC/XLPE/SC/WBSCT/CWS/PET/PVC/ATA/PVC

STANDARD:

IEC 60502-2, IEC 60228, IEC 60332

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	Armor tape thickness	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm
1x50 RM/16	8.2	5.5	20.6	0.5	2	32.5
1x70 RM/16	9.9	5.5	22.3	0.5	2	34
1x95 RM/16	11.2	5.5	23.6	0.5	2.1	35.5
1x120 RM/16	12.7	5.5	25.1	0.5	2.1	37
1x150 RM/25	14.3	5.5	26.7	0.5	2.2	39.5
1x185 RM/25	16	5.5	28.5	0.5	2.3	41
1x240 RM/25	18.4	5.5	31	0.5	2.4	44
1x300 RM/25	20.5	5.5	33	0.5	2.4	46
1x400 RM/35	23.3	5.5	35.7	0.5	2.5	49.5
1x500 RM/35	26.5	5.5	39	0.5	2.7	53.5
1x630 RM/50	30.2	5.5	42.6	0.5	2.8	57.5

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C		Reactance		Capacitance
		Trefoil	Flat	Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x50 RM/16	0.641	0.825	0.838	0.135	0.193	0.167
1x70 RM/16	0.443	0.571	0.583	0.128	0.186	0.188
1x95 RM/16	0.320	0.413	0.425	0.124	0.182	0.204
1x120 RM/16	0.253	0.328	0.338	0.120	0.178	0.222
1x150 RM/25	0.206	0.269	0.285	0.116	0.174	0.241
1x185 RM/25	0.164	0.215	0.230	0.113	0.171	0.261
1x240 RM/25	0.125	0.165	0.180	0.109	0.167	0.289
1x300 RM/25	0.100	0.133	0.147	0.106	0.164	0.314
1x400 RM/35	0.0778	0.107	0.124	0.102	0.160	0.347
1x500 RM/35	0.0605	0.0825	0.101	0.099	0.157	0.384
1x630 RM/50	0.0469	0.0639	0.0783	0.096	0.154	0.428

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

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

Technical data : see page 127

20kV WATER TIGHT POWER CABLES N2XS(FL)2Y



CONSTRUCTION:

Stranded and compacted copper conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, water blocking tape, PE-AL-PE (AL copolymer coated) water tight tape applied longitudinally, PE outer sheath

ABBREVIATION:

Cu/SC/XLPE/SC/WBSCT/CWS/WBT/PE-AL-PE/PE

STANDARD:

IEC 60502-2, IEC 60228

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	AL copolymer coated tape thickness	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm
1x50 RM/16	8.2	5.5	21.2	0.3	1.9	30
1x70 RM/16	9.9	5.5	23	0.3	2	31.5
1x95 RM/16	11.2	5.5	24.2	0.3	2	33
1x120 RM/16	12.7	5.5	25.7	0.3	2.1	34.5
1x150 RM/25	14.3	5.5	27.3	0.3	2.1	36.5
1x185 RM/25	16	5.5	29	0.3	2.2	38.5
1x240 RM/25	18.4	5.5	31.5	0.3	2.3	41
1x300 RM/25	20.5	5.5	33.5	0.3	2.4	43.5
1x400 RM/35	23.3	5.5	36.3	0.3	2.4	46
1x500 RM/35	26.5	5.5	39.5	0.3	2.6	50
1x630 RM/50	30.2	5.5	43.2	0.3	2.7	54

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C		Reactance		Capacitance
		Trefoil	Flat	Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x50 RM/16	0.387	0.497	0.509	0.131	0.189	0.167
1x70 RM/16	0.268	0.345	0.357	0.124	0.182	0.188
1x95 RM/16	0.193	0.249	0.261	0.120	0.178	0.204
1x120 RM/16	0.153	0.199	0.209	0.115	0.173	0.222
1x150 RM/25	0.124	0.163	0.179	0.112	0.170	0.241
1x185 RM/25	0.0991	0.132	0.147	0.109	0.167	0.261
1x240 RM/25	0.0754	0.102	0.116	0.105	0.163	0.289
1x300 RM/25	0.0601	0.0827	0.0958	0.102	0.160	0.314
1x400 RM/35	0.0470	0.0681	0.0848	0.098	0.156	0.347
1x500 RM/35	0.0366	0.0557	0.0709	0.096	0.154	0.384
1x630 RM/50	0.0283	0.0430	0.0548	0.093	0.151	0.428

Current ratings: see current ratings page 85
 Max. conductor temperature in continuous operation: 90°C
 Max. conductor temperature in short circuit: 250°C
 Technical data : see page 127

20kV WATER TIGHT POWER CABLES N2XS(FL)2YRY



CONSTRUCTION:

Stranded and compacted copper conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, water blocking tape, PE-AL-PE (AL copolymer coated) water tight tape applied longitudinally, PE inner sheath, Aluminum wire armor, PVC outer sheath

ABBREVIATION:

Cu/SC/XLPE/SC/WBSCT/CWS/WBT/PE-AL-PE/PE/AWA/PVC

STANDARD:

IEC 60502-2, IEC 60228

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	AL copolymer coated tape thickness	Armor wire diameter	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm	mm
1x50 RM/16	8.2	5.5	21.2	0.3	2	2.1	36.5
1x70 RM/16	9.9	5.5	23	0.3	2	2.2	38.5
1x95 RM/16	11.2	5.5	24.2	0.3	2	2.2	40
1x120 RM/16	12.7	5.5	25.7	0.3	2	2.3	41.5
1x150 RM/25	14.3	5.5	27.3	0.3	2	2.4	43.5
1x185 RM/25	16	5.5	29	0.3	2.5	2.5	47
1x240 RM/25	18.4	5.5	31.5	0.3	2.5	2.5	49
1x300 RM/25	20.5	5.5	33.5	0.3	2.5	2.6	51.5
1x400 RM/35	23.3	5.5	36.3	0.3	2.5	2.7	54.5
1x500 RM/35	26.5	5.5	39.5	0.3	2.5	2.8	58
1x630 RM/50	30.2	5.5	43.2	0.3	2.5	3	64

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C		Reactance		Capacitance
		Trefoil	Flat	Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x50 RM/16	0.387	0.497	0.509	0.143	0.201	0.167
1x70 RM/16	0.268	0.345	0.357	0.136	0.194	0.188
1x95 RM/16	0.193	0.249	0.261	0.132	0.190	0.204
1x120 RM/16	0.153	0.199	0.209	0.127	0.185	0.222
1x150 RM/25	0.124	0.163	0.179	0.123	0.181	0.241
1x185 RM/25	0.0991	0.132	0.147	0.122	0.180	0.261
1x240 RM/25	0.0754	0.102	0.116	0.116	0.174	0.289
1x300 RM/25	0.0601	0.0827	0.0958	0.113	0.171	0.314
1x400 RM/35	0.0470	0.0681	0.0848	0.109	0.167	0.347
1x500 RM/35	0.0366	0.0557	0.0709	0.105	0.163	0.384
1x630 RM/50	0.0283	0.0430	0.0548	0.104	0.162	0.428

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

20kV WATER TIGHT POWER CABLES N2XS(FL)2YBY



CONSTRUCTION:

Stranded and compacted copper conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, water blocking tape, PE-AL-PE (AL copolymer coated) water tight tape applied longitudinally, PE inner sheath, Aluminum tape armor, PVC outer sheath

ABBREVIATION:

Cu/SC/XLPE/SC/WBSCT/CWS/WBT/PE-AL-PE/PE/ATA/PVC

STANDARD:

IEC 60502-2, IEC 60228

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	AL copolymer coated tape thickness	Armor tape thickness	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm	mm
1x50 RM/16	8.2	5.5	21.2	0.3	0.5	2.1	34.5
1x70 RM/16	9.9	5.5	23	0.3	0.5	2.1	36
1x95 RM/16	11.2	5.5	24.2	0.3	0.5	2.2	38
1x120 RM/16	12.7	5.5	25.7	0.3	0.5	2.2	39
1x150 RM/25	14.3	5.5	27.3	0.3	0.5	2.3	41.5
1x185 RM/25	16	5.5	29	0.3	0.5	2.4	43.5
1x240 RM/25	18.4	5.5	31.5	0.3	0.5	2.4	46
1x300 RM/25	20.5	5.5	33.5	0.3	0.5	2.5	48.5
1x400 RM/35	23.3	5.5	36.3	0.3	0.5	2.6	51.5
1x500 RM/35	26.5	5.5	39.5	0.3	0.5	2.7	55
1x630 RM/50	30.2	5.5	43.2	0.3	0.5	2.9	59.5

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C		Reactance		Capacitance
		Trefoil	Flat	Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x50 RM/16	0.387	0.497	0.509	0.154	0.212	0.167
1x70 RM/16	0.268	0.345	0.357	0.132	0.190	0.188
1x95 RM/16	0.193	0.249	0.261	0.129	0.187	0.204
1x120 RM/16	0.153	0.199	0.209	0.123	0.181	0.222
1x150 RM/25	0.124	0.163	0.179	0.120	0.178	0.241
1x185 RM/25	0.0991	0.132	0.147	0.117	0.175	0.261
1x240 RM/25	0.0754	0.102	0.116	0.112	0.170	0.289
1x300 RM/25	0.0601	0.0827	0.0958	0.109	0.167	0.314
1x400 RM/35	0.0470	0.0681	0.0848	0.105	0.163	0.347
1x500 RM/35	0.0366	0.0557	0.0709	0.102	0.160	0.384
1x630 RM/50	0.0283	0.0430	0.0548	0.099	0.157	0.428

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

20kV WATER TIGHT POWER CABLES

NA2XS(FL)2Y



CONSTRUCTION:

Stranded and compacted aluminum conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, water blocking tape, PE-AL-PE (AL copolymer coated) water tight tape applied longitudinally, PE outer sheath

ABBREVIATION:

AL/SC/XLPE/SC/WBSCT/CWS/WBT/PE-AL-PE/PE

STANDARD:

IEC 60502-2, IEC 60228

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	AL copolymer coated tape thickness	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm
1x50 RM/16	8.2	5.5	21.2	0.3	1.9	29.7
1x70 RM/16	9.9	5.5	23	0.3	2	31.5
1x95 RM/16	11.2	5.5	24.2	0.3	2	33
1x120 RM/16	12.7	5.5	25.7	0.3	2.1	34.5
1x150 RM/25	14.3	5.5	27.3	0.3	2.1	36.5
1x185 RM/25	16	5.5	29	0.3	2.2	38.5
1x240 RM/25	18.4	5.5	31.5	0.3	2.3	41
1x300 RM/25	20.5	5.5	33.5	0.3	2.4	43.5
1x400 RM/35	23.3	5.5	36.3	0.3	2.4	46.2
1x500 RM/35	26.5	5.5	39.5	0.3	2.6	50
1x630 RM/50	30.2	5.5	43.2	0.3	2.7	53.7

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C		Reactance		Capacitance
		Trefoil	Flat	Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x50 RM/16	0.641	0.825	0.838	0.131	0.189	0.167
1x70 RM/16	0.443	0.571	0.583	0.124	0.182	0.188
1x95 RM/16	0.320	0.413	0.425	0.120	0.178	0.204
1x120 RM/16	0.253	0.328	0.338	0.115	0.173	0.222
1x150 RM/25	0.206	0.269	0.285	0.112	0.170	0.241
1x185 RM/25	0.164	0.215	0.230	0.109	0.167	0.261
1x240 RM/25	0.125	0.165	0.180	0.105	0.163	0.289
1x300 RM/25	0.100	0.133	0.147	0.102	0.160	0.314
1x400 RM/35	0.0778	0.107	0.124	0.098	0.156	0.347
1x500 RM/35	0.0605	0.0825	0.101	0.096	0.154	0.384
1x630 RM/50	0.0469	0.0639	0.0783	0.093	0.151	0.428

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

20kV WATER TIGHT POWER CABLES NA2XS(FL)2YRY



CONSTRUCTION:

Stranded and compacted aluminum conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, water blocking tape, PE-AL-PE (AL copolymer coated) water tight tape applied longitudinally, PE inner sheath, Aluminum wire armor, PVC outer sheath

ABBREVIATION:

AL/SC/XLPE/SC/WBSCT/CWS/WBT/PE-AL-PE/PE/AWA/PVC

STANDARD:

IEC 60502-2, IEC 60228

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	AL copolymer coated tape thickness	Armor wire diameter	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm	mm
1x50 RM/16	8.2	5.5	21.2	0.3	2	2.1	36.5
1x70 RM/16	9.9	5.5	23	0.3	2	2.2	38.5
1x95 RM/16	11.2	5.5	24.2	0.3	2	2.2	39.7
1x120 RM/16	12.7	5.5	25.7	0.3	2	2.3	41.5
1x150 RM/25	14.3	5.5	27.3	0.3	2	2.4	43.5
1x185 RM/25	16	5.5	29	0.3	2.5	2.5	46.7
1x240 RM/25	18.4	5.5	31.5	0.3	2.5	2.5	49
1x300 RM/25	20.5	5.5	33.5	0.3	2.5	2.6	51.5
1x400 RM/35	23.3	5.5	36.3	0.3	2.5	2.7	54.5
1x500 RM/35	26.5	5.5	39.5	0.3	2.5	2.8	58.2
1x630 RM/50	30.2	5.5	43.2	0.3	2.5	3	64

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C		Reactance		Capacitance
		Trefoil	Flat	Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x50 RM/16	0.641	0.825	0.838	0.143	0.201	0.167
1x70 RM/16	0.443	0.571	0.583	0.136	0.194	0.188
1x95 RM/16	0.320	0.413	0.425	0.132	0.190	0.204
1x120 RM/16	0.253	0.328	0.338	0.127	0.185	0.222
1x150 RM/25	0.206	0.269	0.285	0.123	0.181	0.241
1x185 RM/25	0.164	0.215	0.230	0.122	0.180	0.261
1x240 RM/25	0.125	0.165	0.180	0.116	0.174	0.289
1x300 RM/25	0.100	0.133	0.147	0.113	0.171	0.314
1x400 RM/35	0.0778	0.107	0.124	0.109	0.167	0.347
1x500 RM/35	0.0605	0.0825	0.101	0.105	0.163	0.384
1x630 RM/50	0.0469	0.0639	0.0783	0.104	0.162	0.428

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

20kV WATER TIGHT POWER CABLES NA2XS(FL)2YBY



CONSTRUCTION:

Stranded and compacted aluminum conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, water blocking tape, PE-AL-PE (AL copolymer coated) water tight tape applied longitudinally, PE inner sheath, Aluminum tape armor, PVC outer sheath

ABBREVIATION:

AL/SC/XLPE/SC/WBSCT/CWS/WBT/PE-AL-PE/PE/ATA/PVC

STANDARD:

IEC 60502-2, IEC 60228

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	AL copolymer coated tape thickness	Armor tape thickness	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm	mm
1x50 RM/16	8.2	5.5	21.2	0.3	0.5	2.1	34.5
1x70 RM/16	9.9	5.5	23	0.3	0.5	2.1	36.2
1x95 RM/16	11.2	5.5	24.2	0.3	0.5	2.2	37.7
1x120 RM/16	12.7	5.5	25.7	0.3	0.5	2.2	39.2
1x150 RM/25	14.3	5.5	27.3	0.3	0.5	2.3	41.5
1x185 RM/25	16	5.5	29	0.3	0.5	2.4	43.5
1x240 RM/25	18.4	5.5	31.5	0.3	0.5	2.4	46
1x300 RM/25	20.5	5.5	33.5	0.3	0.5	2.5	48.5
1x400 RM/35	23.3	5.5	36.3	0.3	0.5	2.6	51.5
1x500 RM/35	26.5	5.5	39.5	0.3	0.5	2.7	55
1x630 RM/50	30.2	5.5	43.2	0.3	0.5	2.9	59.5

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C		Reactance		Capacitance
		Trefoil	Flat	Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x50 RM/16	0.641	0.825	0.838	0.154	0.212	0.167
1x70 RM/16	0.443	0.571	0.583	0.132	0.190	0.188
1x95 RM/16	0.320	0.413	0.425	0.129	0.187	0.204
1x120 RM/16	0.253	0.328	0.338	0.123	0.181	0.222
1x150 RM/25	0.206	0.269	0.285	0.120	0.178	0.241
1x185 RM/25	0.164	0.215	0.230	0.117	0.175	0.261
1x240 RM/25	0.125	0.165	0.180	0.112	0.170	0.289
1x300 RM/25	0.100	0.133	0.147	0.109	0.167	0.314
1x400 RM/35	0.0778	0.107	0.124	0.105	0.163	0.347
1x500 RM/35	0.0605	0.0825	0.101	0.102	0.160	0.384
1x630 RM/50	0.0469	0.0639	0.0783	0.099	0.157	0.428

Current ratings: see current ratings page 85
 Max. conductor temperature in continuous operation: 90°C
 Max. conductor temperature in short circuit: 250°C
 Technical data : see page 127

20kV POWER CABLES N2XSEY



CONSTRUCTION:

Stranded and compacted copper conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, polyester tape, PVC inner sheath, PVC outer sheath

ABBREVIATION:

Cu/SC/XLPE/SC/WBSCT/CWS/PET/PVC/PVC

STANDARD:

IEC 60502-2, IEC 60228, IEC 60332

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm
3x50 RM/16	8.2	5.5	20.6	2.9	60.5
3x70 RM/16	9.9	5.5	22.3	3	64.5
3x95 RM/16	11.2	5.5	23.6	3.1	67.5
3x120 RM/16	12.7	5.5	25.1	3.3	71
3x150 RM/25	14.3	5.5	26.7	3.4	76
3x185 RM/25	16	5.5	28.4	3.5	80
3x240 RM/25	18.4	5.5	30.8	3.7	86
3x300 RM/25	20.5	5.5	32.9	3.9	91
3x400 RM/35	23.3	5.5	35.7	4.1	97.5

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C	Reactance	Capacitance
No.xmm ²	Ω/km	Ω/km	Ω/km	μF/km
3x50 RM/16	0.387	0.497	0.116	0.167
3x70 RM/16	0.268	0.345	0.110	0.188
3x95 RM/16	0.193	0.249	0.107	0.204
3x120 RM/16	0.153	0.199	0.103	0.222
3x150 RM/25	0.124	0.163	0.101	0.241
3x185 RM/25	0.0991	0.132	0.097	0.261
3x240 RM/25	0.0754	0.102	0.094	0.289
3x300 RM/25	0.0601	0.0827	0.091	0.314
3x400 RM/35	0.0470	0.0681	0.088	0.347

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

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

Technical data : see page 127

20kV POWER CABLES N2XSEYRY



CONSTRUCTION:

Stranded and compacted copper conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, polyester tape, PVC inner sheath, Steel wire armor, PVC outer sheath

ABBREVIATION:

Cu/SC/XLPE/SC/WBSCT/CWS/PET/PVC/SWA/PVC

STANDARD:

IEC 60502-2, IEC 60228, IEC 60332

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	Armor wire diameter	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm
3x50 RM/16	8.2	5.5	20.6	3.15	3.1	67
3x70 RM/16	9.9	5.5	22.3	3.15	3.3	71.5
3x95 RM/16	11.2	5.5	23.6	3.15	3.4	74.5
3x120 RM/16	12.7	5.5	25.1	4	3.5	80
3x150 RM/25	14.3	5.5	26.7	4	3.7	74.5
3x185 RM/25	16	5.5	28.4	4	3.8	88.5
3x240 RM/25	18.4	5.5	30.8	4	4	94.5
3x300 RM/25	20.5	5.5	32.9	4	4.2	99.5
3x400 RM/35	23.3	5.5	35.7	4	4.4	106

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C	Reactance	Capacitance
No.xmm ²	Ω/km	Ω/km	Ω/km	μF/km
3x50 RM/16	0.387	0.497	0.116	0.167
3x70 RM/16	0.268	0.345	0.110	0.188
3x95 RM/16	0.193	0.249	0.107	0.204
3x120 RM/16	0.153	0.199	0.103	0.222
3x150 RM/25	0.124	0.163	0.101	0.241
3x185 RM/25	0.0991	0.132	0.097	0.261
3x240 RM/25	0.0754	0.102	0.094	0.289
3x300 RM/25	0.0601	0.0827	0.091	0.314
3x400 RM/35	0.0470	0.0681	0.088	0.347

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

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

Technical data : see page 127

20kV POWER CABLES N2XSEYBY



CONSTRUCTION:

Stranded and compacted copper conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, polyester tape, PVC inner sheath, Steel tape armor, PVC outer sheath

ABBREVIATION:

Cu/SC/XLPE/SC/WBSCT/CWS/PET/PVC/STA/PVC

STANDARD:

IEC 60502-2, IEC 60228, IEC 60332

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	Armor tape thickness	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm
3x50 RM/16	8.2	5.5	20.6	0.5	3	62.5
3x70 RM/16	9.9	5.5	22.3	0.5	3.1	66.5
3x95 RM/16	11.2	5.5	23.6	0.5	3.2	70
3x120 RM/16	12.7	5.5	25.1	0.5	3.3	73.5
3x150 RM/25	14.3	5.5	26.7	0.5	3.5	78
3x185 RM/25	16	5.5	28.4	0.8	3.7	83.5
3x240 RM/25	18.4	5.5	30.8	0.8	3.8	89
3x300 RM/25	20.5	5.5	32.9	0.8	4	94.5
3x400 RM/35	23.3	5.5	35.7	0.8	4.2	101

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C	Reactance	Capacitance
No.xmm ²	Ω/km	Ω/km	Ω/km	μF/km
3x50 RM/16	0.387	0.497	0.116	0.167
3x70 RM/16	0.268	0.345	0.110	0.188
3x95 RM/16	0.193	0.249	0.107	0.204
3x120 RM/16	0.153	0.199	0.103	0.222
3x150 RM/25	0.124	0.163	0.101	0.241
3x185 RM/25	0.0991	0.132	0.097	0.261
3x240 RM/25	0.0754	0.102	0.094	0.289
3x300 RM/25	0.0601	0.0827	0.091	0.314
3x400 RM/35	0.0470	0.0681	0.088	0.347

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

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

Technical data : see page 127

20kV POWER CABLES NA2XSEY



CONSTRUCTION:

Stranded and compacted aluminum conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, polyester tape, PVC inner sheath, PVC outer sheath

ABBREVIATION:

AL/SC/XLPE/SC/WBSCT/CWS/PET/PVC/PVC

STANDARD:

IEC 60502-2, IEC 60228, IEC 60332

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm
3x50 RM/16	8.2	5.5	20.6	2.9	60.5
3x70 RM/16	9.9	5.5	22.3	3	64.5
3x95 RM/16	11.2	5.5	23.6	3.1	67.5
3x120 RM/16	12.7	5.5	25.1	3.3	71
3x150 RM/25	14.3	5.5	26.7	3.4	76
3x185 RM/25	16	5.5	28.4	3.5	80
3x240 RM/25	18.4	5.5	30.8	3.7	86
3x300 RM/25	20.5	5.5	32.9	3.9	91
3x400 RM/35	23.3	5.5	35.7	4.1	97.5

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C	Reactance	Capacitance
No.xmm ²	Ω/km	Ω/km	Ω/km	μF/km
3x50 RM/16	0.641	0.825	0.116	0.167
3x70 RM/16	0.443	0.571	0.110	0.188
3x95 RM/16	0.320	0.413	0.107	0.204
3x120 RM/16	0.253	0.328	0.103	0.222
3x150 RM/25	0.206	0.269	0.101	0.241
3x185 RM/25	0.164	0.215	0.097	0.261
3x240 RM/25	0.125	0.165	0.094	0.289
3x300 RM/25	0.100	0.133	0.091	0.314
3x400 RM/35	0.0778	0.107	0.088	0.347

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

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

Technical data : see page 127

20kV POWER CABLES NA2XSEYRY



CONSTRUCTION:

Stranded and compacted aluminum conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, polyester tape, PVC inner sheath, Steel wire armor, PVC outer sheath

ABBREVIATION:

AL/SC/XLPE/SC/WBSCT/CWS/PET/PVC/SWA/PVC

STANDARD:

IEC 60502-2, IEC 60228, IEC 60332

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	Armor wire diameter	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm
3x50 RM/16	8.2	5.5	20.6	3.15	3.1	67
3x70 RM/16	9.9	5.5	22.3	3.15	3.3	71.5
3x95 RM/16	11.2	5.5	23.6	3.15	3.4	74.5
3x120 RM/16	12.7	5.5	25.1	4	3.5	80
3x150 RM/25	14.3	5.5	26.7	4	3.7	74.5
3x185 RM/25	16	5.5	28.4	4	3.8	88.5
3x240 RM/25	18.4	5.5	30.8	4	4	94.5
3x300 RM/25	20.5	5.5	32.9	4	4.2	99.5
3x400 RM/35	23.3	5.5	35.7	4	4.4	106

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C	Reactance	Capacitance
No.xmm ²	Ω/km	Ω/km	Ω/km	μF/km
3x50 RM/16	0.641	0.825	0.116	0.167
3x70 RM/16	0.443	0.571	0.110	0.188
3x95 RM/16	0.320	0.413	0.107	0.204
3x120 RM/16	0.253	0.328	0.103	0.222
3x150 RM/25	0.206	0.269	0.101	0.241
3x185 RM/25	0.164	0.215	0.097	0.261
3x240 RM/25	0.125	0.165	0.094	0.289
3x300 RM/25	0.100	0.133	0.091	0.314
3x400 RM/35	0.0778	0.107	0.088	0.347

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

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

Technical data : see page 127

20kV POWER CABLES NA2XSEYBY



CONSTRUCTION:

Stranded and compacted aluminum conductor, inner semi conductor, XLPE insulation, outer semi conductor, Water blocking semi conducting tape, copper wire screen plus copper tape applied helically, polyester tape, PVC inner sheath, Steel tape armor, PVC outer sheath

ABBREVIATION:

AL/SC/XLPE/SC/WBSCT/CWS/PET/PVC/STA/PVC

STANDARD:

IEC 60502-2, IEC 60228, IEC 60332

DIMENSIONAL AND MECHANICAL DATA:

Number of cores x cross section / Screen cross section	Conductor diameter	Insulation thickness	Diameter over insulation	Armor tape thickness	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm
3x50 RM/16	8.2	5.5	20.6	0.5	3	62.5
3x70 RM/16	9.9	5.5	22.3	0.5	3.1	66.5
3x95 RM/16	11.2	5.5	23.6	0.5	3.2	70
3x120 RM/16	12.7	5.5	25.1	0.5	3.3	73.5
3x150 RM/25	14.3	5.5	26.7	0.5	3.5	78
3x185 RM/25	16	5.5	28.4	0.8	3.7	83.5
3x240 RM/25	18.4	5.5	30.8	0.8	3.8	89
3x300 RM/25	20.5	5.5	32.9	0.8	4	94.5
3x400 RM/35	23.3	5.5	35.7	0.8	4.2	101

ELECTRICAL DATA:

Number of cores x cross section / Screen cross section	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C	Reactance	Capacitance
No.xmm ²	Ω/km	Ω/km	Ω/km	μF/km
3x50 RM/16	0.641	0.825	0.116	0.167
3x70 RM/16	0.443	0.571	0.110	0.188
3x95 RM/16	0.320	0.413	0.107	0.204
3x120 RM/16	0.253	0.328	0.103	0.222
3x150 RM/25	0.206	0.269	0.101	0.241
3x185 RM/25	0.164	0.215	0.097	0.261
3x240 RM/25	0.125	0.165	0.094	0.289
3x300 RM/25	0.100	0.133	0.091	0.314
3x400 RM/35	0.0778	0.107	0.088	0.347

Current ratings: see current ratings page 85

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

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

Technical data : see page 127