

132kV POWER CABLES (76/132/145kV) N2XS_Y



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 60840, 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
1x240 RM/25	18.4	18.5	58.5	3.2	70
1x300 RM/25	20.5	18.5	60.5	3.3	72.5
1x400 RM/35	23.3	18.5	63.5	3.4	75.5
1x500 RM/50	26.5	18.5	66.5	3.5	78.5
1x630 RM/50	30.2	18.5	70.5	3.6	82.5
1x800 RM/50	34.5	18.5	74.5	3.8	87.5
1x1000 RM/50	39	18.5	79	3.9	92
1x1200 RM/50	42	18.5	82	4	95

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	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x240 RM/25	0.0754	0.0972	0.134	0.192	0.127
1x300 RM/25	0.0601	0.0780	0.130	0.188	0.135
1x400 RM/35	0.0470	0.0617	0.125	0.183	0.145
1x500 RM/50	0.0366	0.0490	0.121	0.179	0.157
1x630 RM/50	0.0283	0.0392	0.116	0.174	0.171
1x800 RM/50	0.0221	0.0321	0.112	0.170	0.186
1x1000 RM/50	0.0176	0.0271	0.108	0.167	0.202
1x1200 RM/50	0.0151	0.0201	0.106	0.164	0.213

Current ratings: see current ratings page 124

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

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

Conductor sizes including and above 1000mm² are segmental

132kV POWER CABLES (76/132/145kV) 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 60840, 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
1x240 RM/25	18.4	18.5	58.5	4	3.6	82.5
1x300 RM/25	20.5	18.5	60.5	4	3.7	85
1x400 RM/35	23.3	18.5	63.5	4	3.8	88
1x500 RM/50	26.5	18.5	66.5	4	3.9	91.5
1x630 RM/50	30.2	18.5	70.5	4	4.1	96
1x800 RM/50	34.5	18.5	74.5	4	4.2	101
1x1000 RM/50	39	18.5	79	4	4.4	106
1x1200 RM/50	42	18.5	82	4	4.5	109

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	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x240 RM/25	0.0754	0.0972	0.144	0.202	0.127
1x300 RM/25	0.0601	0.0780	0.140	0.198	0.135
1x400 RM/35	0.0470	0.0617	0.135	0.193	0.145
1x500 RM/50	0.0366	0.0490	0.130	0.188	0.157
1x630 RM/50	0.0283	0.0392	0.126	0.184	0.171
1x800 RM/50	0.0221	0.0321	0.121	0.179	0.186
1x1000 RM/50	0.0176	0.0271	0.117	0.175	0.202
1x1200 RM/50	0.0151	0.0201	0.115	0.173	0.213

Current ratings: see current ratings page 124

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

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

Conductor sizes including and above 1000mm² are segmental

132kV POWER CABLES (76/132/145kV) 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 60840, 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 tape thickness	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm
1x240 RM/25	18.4	18.5	58.5	0.5	3.4	76
1x300 RM/25	20.5	18.5	60.5	0.5	3.5	79
1x400 RM/35	23.3	18.5	63.5	0.8	3.6	83
1x500 RM/50	26.5	18.5	66.5	0.8	3.8	87
1x630 RM/50	30.2	18.5	70.5	0.8	3.9	91
1x800 RM/50	34.5	18.5	74.5	0.8	4	95.5
1x1000 RM/50	39	18.5	79	0.8	4.2	101
1x1200 RM/50	42	18.5	82	0.8	4.3	104

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	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x240 RM/25	0.0754	0.0972	0.139	0.197	0.127
1x300 RM/25	0.0601	0.0780	0.135	0.193	0.135
1x400 RM/35	0.0470	0.0617	0.131	0.189	0.145
1x500 RM/50	0.0366	0.0490	0.127	0.185	0.157
1x630 RM/50	0.0283	0.0392	0.122	0.180	0.171
1x800 RM/50	0.0221	0.0321	0.118	0.176	0.186
1x1000 RM/50	0.0176	0.0271	0.114	0.172	0.202
1x1200 RM/50	0.0151	0.0201	0.112	0.170	0.213

Current ratings: see current ratings page 124

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

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

Conductor sizes including and above 1000mm² are segmental

132kV WATER TIGHT POWER CABLES (76/132/145kV) 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 60840, 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
1x240 RM/25	18.4	18.5	59	0.3	3.3	72.5
1x300 RM/25	20.5	18.5	61.5	0.3	3.4	74.5
1x400 RM/35	23.3	18.5	64	0.3	3.5	77.5
1x500 RM/50	26.5	18.5	67.5	0.3	3.6	81
1x630 RM/50	30.2	18.5	71	0.3	3.7	85
1x800 RM/50	34.5	18.5	75.5	0.3	3.9	90
1x1000 RM/50	39	18.5	80	0.3	4	94.5
1x1200 RM/50	42	18.5	93	0.3	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
			Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x240 RM/25	0.0754	0.0972	0.134	0.192	0.127
1x300 RM/25	0.0601	0.0780	0.130	0.188	0.135
1x400 RM/35	0.0470	0.0617	0.126	0.184	0.145
1x500 RM/50	0.0366	0.0490	0.121	0.179	0.157
1x630 RM/50	0.0283	0.0392	0.117	0.175	0.171
1x800 RM/50	0.0221	0.0321	0.113	0.171	0.186
1x1000 RM/50	0.0176	0.0271	0.109	0.167	0.202
1x1200 RM/50	0.0151	0.0201	0.107	0.165	0.213

Current ratings: see current ratings page 124

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

Conductor sizes including and above 1000mm² are segmental

132kV WATER TIGHT POWER CABLES (76/132/145kV) 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 60840, 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
1x240 RM/25	18.4	18.5	59	0.3	4	3.7	85
1x300 RM/25	20.5	18.5	61.5	0.3	4	3.8	87.5
1x400 RM/35	23.3	18.5	64	0.3	4	3.9	90.5
1x500 RM/50	26.5	18.5	67.5	0.3	4	4	94
1x630 RM/50	30.2	18.5	71	0.3	4.5	4.2	99
1x800 RM/50	34.5	18.5	75.5	0.3	4.5	4.3	104
1x1000 RM/50	39	18.5	80	0.3	5	4.5	110
1x1200 RM/50	42	18.5	93	0.3	5	4.6	114

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	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x240 RM/25	0.0754	0.0972	0.144	0.202	0.127
1x300 RM/25	0.0601	0.0780	0.140	0.198	0.135
1x400 RM/35	0.0470	0.0617	0.135	0.193	0.145
1x500 RM/50	0.0366	0.0490	0.131	0.189	0.157
1x630 RM/50	0.0283	0.0392	0.127	0.185	0.171
1x800 RM/50	0.0221	0.0321	0.122	0.180	0.186
1x1000 RM/50	0.0176	0.0271	0.119	0.177	0.202
1x1200 RM/50	0.0151	0.0201	0.116	0.174	0.213

Current ratings: see current ratings page 124

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

Conductor sizes including and above 1000mm² are segmental

132kV WATER TIGHT POWER CABLES (76/132/145kV) 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 60840, 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	Aarmor tape thickness	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm	mm
1x240 RM/25	18.4	18.5	59	0.3	0.5	3.5	78.5
1x300 RM/25	20.5	18.5	61.5	0.3	0.8	3.6	82
1x400 RM/35	23.3	18.5	64	0.3	0.8	3.7	85
1x500 RM/50	26.5	18.5	67.5	0.3	0.8	3.8	89
1x630 RM/50	30.2	18.5	71	0.3	0.8	4	93
1x800 RM/50	34.5	18.5	75.5	0.3	0.8	4.1	98
1x1000 RM/50	39	18.5	80	0.3	0.8	4.3	103
1x1200 RM/50	42	18.5	93	0.3	0.8	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
			Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x240 RM/25	0.0754	0.0972	0.139	0.197	0.127
1x300 RM/25	0.0601	0.0780	0.136	0.194	0.135
1x400 RM/35	0.0470	0.0617	0.131	0.190	0.145
1x500 RM/50	0.0366	0.0490	0.127	0.185	0.157
1x630 RM/50	0.0283	0.0392	0.123	0.181	0.171
1x800 RM/50	0.0221	0.0321	0.118	0.176	0.186
1x1000 RM/50	0.0176	0.0271	0.114	0.172	0.202
1x1200 RM/50	0.0151	0.0201	0.112	0.170	0.213

Current ratings: see current ratings page 124

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

Conductor sizes including and above 1000mm² are segmental

132kV POWER CABLES (76/132/145kV) NA2XS_Y



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 60840, 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
1x240 RM/25	18.4	18.5	58.5	3.2	70
1x300 RM/25	20.5	18.5	60.5	3.3	72.5
1x400 RM/35	23.3	18.5	63.5	3.4	75.5
1x500 RM/50	26.5	18.5	66.5	3.5	78.5
1x630 RM/50	30.2	18.5	70.5	3.6	82.5
1x800 RM/50	34.5	18.5	74.5	3.8	87.5
1x1000 RM/50	39	18.5	79	3.9	92
1x1200 RM/50	42	18.5	82	4	95

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	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x240 RM/25	0.125	0.156	0.134	0.192	0.127
1x300 RM/25	0.100	0.125	0.130	0.188	0.135
1x400 RM/35	0.0778	0.0972	0.125	0.183	0.145
1x500 RM/50	0.0605	0.0780	0.121	0.179	0.157
1x630 RM/50	0.0469	0.0617	0.116	0.174	0.171
1x800 RM/50	0.0367	0.0490	0.112	0.170	0.186
1x1000 RM/50	0.0291	0.0392	0.108	0.167	0.202
1x1200 RM/50	0.0247	0.0321	0.106	0.164	0.213

Current ratings: see current ratings page 124

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

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

Conductor sizes including and above 1000mm² are segmental

132kV POWER CABLES (76/132/145kV) NA2XSYRY



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 60840, 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
1x240 RM/25	18.4	18.5	58.5	4	3.6	82.5
1x300 RM/25	20.5	18.5	60.5	4	3.7	85
1x400 RM/35	23.3	18.5	63.5	4	3.8	88
1x500 RM/50	26.5	18.5	66.5	4	3.9	91.5
1x630 RM/50	30.2	18.5	70.5	4	4.1	96
1x800 RM/50	34.5	18.5	74.5	4	4.2	101
1x1000 RM/50	39	18.5	79	4	4.4	106
1x1200 RM/50	42	18.5	82	4	4.5	109

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	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x240 RM/25	0.125	0.156	0.144	0.202	0.127
1x300 RM/25	0.100	0.125	0.140	0.198	0.135
1x400 RM/35	0.0778	0.0972	0.135	0.193	0.145
1x500 RM/50	0.0605	0.0780	0.130	0.188	0.157
1x630 RM/50	0.0469	0.0617	0.126	0.184	0.171
1x800 RM/50	0.0367	0.0490	0.121	0.179	0.186
1x1000 RM/50	0.0291	0.0392	0.117	0.175	0.202
1x1200 RM/50	0.0247	0.0321	0.115	0.173	0.213

Current ratings: see current ratings page 124

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

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

Conductor sizes including and above 1000mm² are segmental

132kV POWER CABLES (76/132/145kV) 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 60840, 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
1x240 RM/25	18.4	18.5	58.5	0.5	3.4	76
1x300 RM/25	20.5	18.5	60.5	0.5	3.5	79
1x400 RM/35	23.3	18.5	63.5	0.8	3.6	83
1x500 RM/50	26.5	18.5	66.5	0.8	3.8	87
1x630 RM/50	30.2	18.5	70.5	0.8	3.9	91
1x800 RM/50	34.5	18.5	74.5	0.8	4	95.5
1x1000 RM/50	39	18.5	79	0.8	4.2	101
1x1200 RM/50	42	18.5	82	0.8	4.3	104

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	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x240 RM/25	0.125	0.156	0.139	0.197	0.127
1x300 RM/25	0.100	0.125	0.135	0.193	0.135
1x400 RM/35	0.0778	0.0972	0.131	0.189	0.145
1x500 RM/50	0.0605	0.0780	0.127	0.185	0.157
1x630 RM/50	0.0469	0.0617	0.122	0.180	0.171
1x800 RM/50	0.0367	0.0490	0.118	0.176	0.186
1x1000 RM/50	0.0291	0.0392	0.114	0.172	0.202
1x1200 RM/50	0.0247	0.0321	0.112	0.170	0.213

Current ratings: see current ratings page 124

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

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

Conductor sizes including and above 1000mm² are segmental

132kV WATER TIGHT POWER CABLES (76/132/145kV) 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 60840, 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
1x240 RM/25	18.4	18.5	59	0.3	3.3	72.5
1x300 RM/25	20.5	18.5	61.5	0.3	3.4	74.5
1x400 RM/35	23.3	18.5	64	0.3	3.5	77.5
1x500 RM/50	26.5	18.5	67.5	0.3	3.6	81
1x630 RM/50	30.2	18.5	71	0.3	3.7	85
1x800 RM/50	34.5	18.5	75.5	0.3	3.9	90
1x1000 RM/50	39	18.5	80	0.3	4	94.5
1x1200 RM/50	42	18.5	93	0.3	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
			Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x240 RM/25	0.125	0.156	0.134	0.192	0.127
1x300 RM/25	0.100	0.125	0.130	0.188	0.135
1x400 RM/35	0.0778	0.0972	0.126	0.184	0.145
1x500 RM/50	0.0605	0.0780	0.121	0.179	0.157
1x630 RM/50	0.0469	0.0617	0.117	0.175	0.171
1x800 RM/50	0.0367	0.0490	0.113	0.171	0.186
1x1000 RM/50	0.0291	0.0392	0.109	0.167	0.202
1x1200 RM/50	0.0247	0.0321	0.107	0.165	0.213

Current ratings: see current ratings page 124

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

Conductor sizes including and above 1000mm² are segmental

132kV WATER TIGHT POWER CABLES (76/132/145kV) 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 60840, 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
1x240 RM/25	18.4	18.5	59	0.3	4	3.7	85
1x300 RM/25	20.5	18.5	61.5	0.3	4	3.8	87.5
1x400 RM/35	23.3	18.5	64	0.3	4	3.9	90.5
1x500 RM/50	26.5	18.5	67.5	0.3	4	4	94
1x630 RM/50	30.2	18.5	71	0.3	4.5	4.2	99
1x800 RM/50	34.5	18.5	75.5	0.3	4.5	4.3	104
1x1000 RM/50	39	18.5	80	0.3	5	4.5	110
1x1200 RM/50	42	18.5	93	0.3	5	4.6	114

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	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x240 RM/25	0.125	0.156	0.144	0.202	0.127
1x300 RM/25	0.100	0.125	0.140	0.198	0.135
1x400 RM/35	0.0778	0.0972	0.135	0.193	0.145
1x500 RM/50	0.0605	0.0780	0.131	0.189	0.157
1x630 RM/50	0.0469	0.0617	0.127	0.185	0.171
1x800 RM/50	0.0367	0.0490	0.122	0.180	0.186
1x1000 RM/50	0.0291	0.0392	0.119	0.177	0.202
1x1200 RM/50	0.0247	0.0321	0.116	0.174	0.213

Current ratings: see current ratings page 124

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

Conductor sizes including and above 1000mm² are segmental

132kV WATER TIGHT POWER CABLES (76/132/145kV) 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 60840, 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	Aarmor tape thickness	Outer sheath thickness	Overall diameter
No.xmm ²	mm	mm	mm	mm	mm	mm	mm
1x240 RM/25	18.4	18.5	59	0.3	0.5	3.5	78.5
1x300 RM/25	20.5	18.5	61.5	0.3	0.8	3.6	82
1x400 RM/35	23.3	18.5	64	0.3	0.8	3.7	85
1x500 RM/50	26.5	18.5	67.5	0.3	0.8	3.8	89
1x630 RM/50	30.2	18.5	71	0.3	0.8	4	93
1x800 RM/50	34.5	18.5	75.5	0.3	0.8	4.1	98
1x1000 RM/50	39	18.5	80	0.3	0.8	4.3	103
1x1200 RM/50	42	18.5	93	0.3	0.8	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
			Trefoil	Flat	
No.xmm ²	Ω/km	Ω/km	Ω/km	Ω/km	μF/km
1x240 RM/25	0.125	0.156	0.139	0.197	0.127
1x300 RM/25	0.100	0.125	0.136	0.194	0.135
1x400 RM/35	0.0778	0.0972	0.131	0.190	0.145
1x500 RM/50	0.0605	0.0780	0.127	0.185	0.157
1x630 RM/50	0.0469	0.0617	0.123	0.181	0.171
1x800 RM/50	0.0367	0.0490	0.118	0.176	0.186
1x1000 RM/50	0.0291	0.0392	0.114	0.172	0.202
1x1200 RM/50	0.0247	0.0321	0.112	0.170	0.213

Current ratings: see current ratings page 124

Max. conductor temperature in continuous operation: 90°C

Max. conductor temperature in short circuit: 250°C

Technical data : see page 127

Conductor sizes including and above 1000mm² are segmental