Cable type	:	**YMeKrvaslqwd 6/10 kV - 1x400 Alrm as70**
Article no.	:	147.6666.80
In accordance with	:	NEN 3620 (2003)

Cable construction

Conductor	:	solid aluminium, round
Conductor screen	:	extruded semiconducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semiconducting layer
Bedding	:	semi-conducting swellable tape
Earth screen	:	round copper wires and a counter helix of copper tape
Separation layer	:	semi-conducting swellable tape
Outer sheath	:	red PE ST7 (red PE is not UV-resistant on the long term and shall not be exposed to sunlight during a longer period)

Main dimensions and weight			nominal thickness		Diameter	
Conductor	:				21.6	mm
Insulation	:		3.4	mm	29.7	mm
Outer sheath	:		3.2	mm	42	mm
Weight per meter	:	2.5	kg			

Cable identification on outer sheath

PRYSMIAN NL - year wk.. YMeKrvaslqwd 6/10 kV - 1x400 Alrm as70 metermarking

Mass and drumsize (examples)

Drumtype	:	P22	wood
Flange diameter	:	2200	mm
Barrel diameter	:	1250	mm
Width overall	:	1360	mm
Length	:	1000	m
Total mass. approx.	:	2.9	tons

Cable laying data

Maximum pulling force on conductor	:	8.0	kN
Maximum pulling force on cable using a cable grip	:	5.3	kN
Minimum bending radius during laying	:	0.95	m
Minimum bending radius when installed	:	0.76	m
Minimum cable temperature during laying	:	-10	°C

Electrical data

Rated voltages U_o/U (U_m)		:	6/10 (12)	kV
Conductor	DC resistance at 20 °C, maximum	:	0.0778	Ω/km
	AC resistance at 90 °C	:	0.102	Ω/km
Permissible short-circuit current during 1 s (adiabetic 90-250 °C)		:	37.8	kA
Insulation	Capacitance	:	0.50	µF/km
	Load current at 50 Hz and Uo	:	0.95	A/km
Earth screen				
Permissible short-circuit current during 1 s (adiabetic 80-250 °C)		:	10.4	kA

Cable

Continuous current rating Calculated according NPR 3626	trefoil touching		horizontally, spacing between cables: 70 mm	
In ground, depth 1m, Tg = 15°C, 0,75 Km/W	440	A	415	A
In air , Tl = 30°C, no direct solar radiation	650	A	675	A
Reactance per phase at 50 Hz	0.099	Ω/km	0.156	Ω/km

Cable type	:	**YMeKrvaslwd 18/30 kV - 1x300alrm as50**
Article no.	:	147.8151.80
In accordance with	:	NEN 3620 (2003)

Cable construction

Conductor	:	aluminium, round solid
Conductor screen	:	semi-conducting tape extruded semiconducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semiconducting layer
Bedding	:	semi-conducting swellable tape
Earth screen	:	round copper wires and a counter helix of copper tape
Separation layer	:	semi-conducting swellable tape
Outer sheath	:	red PE ST7 (red PE is not UV-resistant on the longterm and shall not be exposed to sunlight during a longer period)

Main dimensions and weight

		nominal thickness		Diameter	
Conductor	:			19.1	mm
Insulation	:	8.0	mm	36.7	mm
Outer sheath	:	2.5	mm	47	mm
Weight per meter	:	2.4 kg			

Cable identification on outer sheath

PRYSMIAN NL - year wk.. YMeKrvaslwd 18/30 kV - 1x300alrm as50 metermarking

Mass and drumsize (examples)

Drumtype	:	P22	wood
Flange diameter	:	2200	mm
Barrel diameter	:	1250	mm
Width overall	:	1360	mm
Length	:	1000	m
Total mass. approx.	:	2.9	ton

Cable laying data

Maximum pulling force on the conductor	:	6.0	kN
Maximum pulling force on the cable, using a pulling grip	:	6.0	kN
Minimum bending radius during laying	:	0.99	m
Minimum bending radius when installed	:	0.79	m
Minimum cable temperature during laying	:	-10	^{o}C

Electrical data

Rated voltages U_o/U (U_m)		:	18/30(36)	kV
Conductor	DC resistance at 20 ^{o}C, maximum	:	0.100	Ω/km
	AC resistance at 90 ^{o}C	:	0.129	Ω/km
Permissible short-circuit current during 1 s (adiabetic 90-250 ^{o}C)		:	28.3	kA
Insulation	Capacitance	:	0.23	µF/km
	Load current at 50 Hz and U_o	:	1.30	A/km
Earth screen				
Permissible short-circuit current during 1 s (adiabetic 80-250 ^{o}C)		:	7.4	kA

Cable

Continuous current rating According NPR 3626	trefoil touching		horizontally, spacing between cables 70 mm	
screen bonded and earthed at both ends, 1 circuit				
In ground, depth 1m, Tg = 15^{o}C, 0,75 Km/W	400	A	395	A
In air , Tl = 30^{o}C, no direct solar radiation	565	A	620	A
Reactance per phase at 50 Hz	0.116	Ω/km	0.178	Ω/km

Cable type	:	**YMeKrvaslwd 12/20 kV - 1x300alrm as25**
Article no.	:	147.7651.60
In accordance with	:	NEN 3620 (2003)

Cable construction

Conductor	:	aluminium, round solid
Conductor screen	:	semi-conducting tape extruded semiconducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semiconducting layer
Bedding	:	semi-conducting swellable tape
Earth screen	:	round copper wires and a counter helix of copper tape
Separation layer	:	semi-conducting swellable tape
Outer sheath	:	red PE ST7 (red PE is not UV-resistant on the longterm and shall not be exposed to sunlight during a longer period)

Main dimensions and weight		nominal thickness		Diameter	
Conductor	:			19.1	mm
Insulation	:	5.5	mm	31.7	mm
Outer sheath	:	2.5	mm	42	mm
Weight per meter	:	1.9 kg			

Cable identification on outer sheath

PRYSMIAN NL - year wk.. YMeKrvaslwd 12/20 kV - 1x300alrm as25 metermarking

Mass and drumsize (examples)

Drumtype	:	P22	wood
Flange diameter	:	2200	mm
Barrel diameter	:	1250	mm
Width overall	:	1360	mm
Length	:	1000	m
Total mass. approx.	:	2.3	ton

Cable laying data

Maximum pulling force on the conductor	:	6.0	kN
Maximum pulling force on the cable, using a pulling grip	:	5.3	kN
Minimum bending radius during laying	:	0.92	m
Minimum bending radius when installed	:	0.73	m
Minimum cable temperature during laying	:	-10	^{o}C

Electrical data

Rated voltages U_o/U (U_m) : 12/20(24) kV

Conductor	DC resistance at 20 ^{o}C, maximum	:	0.100	Ω/km
	AC resistance at 90 ^{o}C	:	0.129	Ω/km
Permissible short-circuit current during 1 s (adiabetic 90-250 ^{o}C)		:	28.3	kA
Insulation	Capacitance	:	0.31	μF/km
	Load current at 50 Hz and U_o	:	1.16	A/km
Earth screen				
Permissible short-circuit current during 1 s (adiabetic 80-250 ^{o}C)		:	3.7	kA

Cable

Continuous current rating According NPR 3626	trefoil touching		horizontally, spacing between cables 70 mm	
screen bonded and earthed at both ends, 1 circuit				
In ground, depth 1m, Tg = 15^{o}C, 0,75 Km/W	400	A	410	A
In air , Tl = 30^{o}C, no direct solar radiation	565	A	650	A
Reactance per phase at 50 Hz	0.109	Ω/km	0.182	Ω/km

Cable type	:	**YMeKrvaslwd 12/20 kV - 1x240alrm as50**
Article no.	:	147.7636.70
In accordance with	:	NEN 3620 (2003)

Cable construction

Conductor	:	aluminium, round solid
Conductor screen	:	semi-conducting tape extruded semiconducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semiconducting layer
Bedding	:	semi-conducting swellable tape
Earth screen	:	round copper wires and a counter helix of copper tape
Separation layer	:	semi-conducting swellable tape
Outer sheath	:	red PE ST7 (red PE is not UV-resistant on the longterm and shall not be exposed to sunlight during a longer period)

Main dimensions and weight

		nominal thickness		Diameter	
Conductor	:			17.0	mm
Insulation	:	5.5	mm	29.6	mm
Outer sheath	:	2.5	mm	40	mm
Weight per meter	:	1.9 kg			

Cable identification on outer sheath

PRYSMIAN NL - year wk.. YMeKrvaslwd 12/20 kV - 1x240alrm as50 metermarking

Mass and drumsize (examples)

Drumtype	:	P22	wood
Flange diameter	:	2200	mm
Barrel diameter	:	1250	mm
Width overall	:	1360	mm
Length	:	1000	m
Total mass. approx.	:	2.4	ton

Cable laying data

Maximum pulling force on the conductor	:	4.8	kN
Maximum pulling force on the cable, using a pulling grip	:	4.8	kN
Minimum bending radius during laying	:	0.86	m
Minimum bending radius when installed	:	0.68	m
Minimum cable temperature during laying	:	-10	^{o}C

Electrical data

Rated voltages U_o/U (U_m)		:	12/20(24)	kV
Conductor	DC resistance at 20 ^{o}C, maximum	:	0.125	Ω/km
	AC resistance at 90 ^{o}C	:	0.161	Ω/km
Permissible short-circuit current during 1 s (adiabetic 90-250 ^{o}C)		:	22.7	kA
Insulation	Capacitance	:	0.28	μF/km
	Load current at 50 Hz and U_o	:	1.07	A/km
Earth screen				
Permissible short-circuit current during 1 s (adiabetic 80-250 ^{o}C)		:	7.4	kA

Cable

Continuous current rating According NPR 3626	trefoil touching		horizontally, spacing between cables 70 mm	
screen bonded and earthed at both ends, 1 circuit				
In ground, depth 1m, Tg = 15^{o}C, 0,75 Km/W	355	A	350	A
In air , Tl = 30^{o}C, no direct solar radiation	495	A	545	A
Reactance per phase at 50 Hz	0.113	Ω/km	0.180	Ω/km

Cable type	:	**YMeKrvaslwd 12/20 kV - 1x150alrm as25**
Article no.	:	147.7606.40
In accordance with	:	NEN 3620 (2003)

Cable construction

Conductor	:	aluminium, round solid
Conductor screen	:	semi-conducting tape extruded semiconducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semiconducting layer
Bedding	:	semi-conducting swellable tape
Earth screen	:	round copper wires and a counter helix of copper tape
Separation layer	:	semi-conducting swellable tape
Outer sheath	:	red PE ST7 (red PE is not UV-resistant on the longterm and shall not be exposed to sunlight during a longer period)

Main dimensions and weight

		nominal thickness		Diameter	
Conductor	:			13.4	mm
Insulation	:	5.5	mm	26.0	mm
Outer sheath	:	2.5	mm	36	mm
Weight per meter	:	1.3 kg			

Cable identification on outer sheath

PRYSMIAN NL - year wk.. YMeKrvaslwd 12/20 kV - 1x150alrm as25 metermarking

Mass and drumsize (examples)

Drumtype	:	P20	wood
Flange diameter	:	2000	mm
Barrel diameter	:	1100	mm
Width overall	:	1080	mm
Length	:	1000	m
Total mass. approx.	:	1.7	ton

Cable laying data

Maximum pulling force on the conductor	:	3.0	kN
Maximum pulling force on the cable, using a pulling grip	:	3.0	kN
Minimum bending radius during laying	:	0.74	m
Minimum bending radius when installed	:	0.59	m
Minimum cable temperature during laying	:	-10	^{o}C

Electrical data

Rated voltages U_o/U (U_m)		:	12/20(24)	kV
Conductor	DC resistance at 20 ^{o}C, maximum	:	0.206	Ω/km
	AC resistance at 90 ^{o}C	:	0.265	Ω/km
Permissible short-circuit current during 1 s (adiabetic 90-250 ^{o}C)		:	14.2	kA
Insulation	Capacitance	:	0.24	μF/km
	Load current at 50 Hz and U_o	:	0.90	A/km
Earth screen				
Permissible short-circuit current during 1 s (adiabetic 80-250 ^{o}C)		:	3.7	kA

Cable

	trefoil touching		horizontally, spacing between cables 70 mm	
Continuous current rating According NPR 3626				
screen bonded and earthed at both ends, 1 circuit				
In ground, depth 1m, Tg = 15^{o}C, 0,75 Km/W	275	A	285	A
In air , Tl = 30^{o}C, no direct solar radiation	365	A	425	A
Reactance per phase at 50 Hz	0.121	Ω/km	0.200	Ω/km

Cable type	:	**YMeKrvaslwd 12/20 kV - 1x95alrm as25**
Article no.	:	147.7576.20
In accordance with	:	NEN 3620 (2003)

Cable construction

Conductor	:	aluminium, round solid
Conductor screen	:	semi-conducting tape extruded semiconducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semiconducting layer
Bedding	:	semi-conducting swellable tape
Earth screen	:	round copper wires and a counter helix of copper tape
Separation layer	:	semi-conducting swellable tape
Outer sheath	:	red PE ST7 (red PE is not UV-resistant on the longterm and shall not be exposed to sunlight during a longer period)

Main dimensions and weight

		nominal thickness		Diameter	
Conductor	:			10.7	mm
Insulation	:	5.5	mm	23.3	mm
Outer sheath	:	2.5	mm	34	mm
Weight per meter	:	1.1 kg			

Cable identification on outer sheath

PRYSMIAN NL - year wk.. YMeKrvaslwd 12/20 kV - 1x95alrm as25 metermarking

Mass and drumsize (examples)

Drumtype	:	P18	wood
Flange diameter	:	1800	mm
Barrel diameter	:	950	mm
Width overall	:	1080	mm
Length	:	1000	m
Total mass. approx.	:	1.3	ton

Cable laying data

Maximum pulling force on the conductor	:	1.9	kN
Maximum pulling force on the cable, using a pulling grip	:	1.9	kN
Minimum bending radius during laying	:	0.67	m
Minimum bending radius when installed	:	0.54	m
Minimum cable temperature during laying	:	-10	^{o}C

Electrical data

Rated voltages U_o/U (U_m)		:	12/20(24)	kV
Conductor	DC resistance at 20 ^{o}C, maximum	:	0.320	Ω/km
	AC resistance at 90 ^{o}C	:	0.411	Ω/km
Permissible short-circuit current during 1 s (adiabetic 90-250 ^{o}C)		:	9.0	kA
Insulation	Capacitance	:	0.21	μF/km
	Load current at 50 Hz and U_o	:	0.78	A/km
Earth screen				
Permissible short-circuit current during 1 s (adiabetic 80-250 ^{o}C)		:	3.7	kA

Cable

Continuous current rating According NPR 3626	trefoil touching		horizontally, spacing between cables 70 mm	
screen bonded and earthed at both ends, 1 circuit				
In ground, depth 1m, Tg = 15^{o}C, 0,75 Km/W	215	A	230	A
In air , Tl = 30^{o}C, no direct solar radiation	280	A	330	A
Reactance per phase at 50 Hz	0.132	Ω/km	0.213	Ω/km

Cable type	:	**YMeKrvaslqwd 6/10 kV - 1x630 Alrm as70**
Article no.	:	147.6696.60
In accordance with	:	NEN 3620 (2003) + Nuon

Cable construction

Conductor	:	solid aluminium, round
Conductor screen	:	extruded semiconducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semiconducting layer
Bedding	:	semi-conducting swellable tape
Earth screen	:	round copper wires and a counter helix of copper tape
Separation layer	:	semi-conducting swellable tape
Outer sheath	:	red PE ST7 (red PE is not UV-resistant on the long term and shall not be exposed to sunlight during a longer period)

Main dimensions and weight			nominal thickness		Diameter	
Conductor	:				27.8	mm
Insulation	:		3.6	mm	36.3	mm
Outer sheath	:		3.2	mm	49	mm
Weight per meter	:	3.3	kg			

Cable identification on outer sheath

PRYSMIAN NL - year wk.. YMeKrvaslqwd 6/10 kV - 1x630 Alrm as70 metermarking

Mass and drumsize (examples)

Drumtype	:	P26	wood
Flange diameter	:	2600	mm
Barrel diameter	:	1500	mm
Width overall	:	1390	mm
Length	:	1000	m
Total mass. approx.	:	4.1	tons

Cable laying data

Maximum pulling force on conductor	:	12.6	kN
Maximum pulling force on cable using a cable grip	:	7.2	kN
Minimum bending radius during laying	:	1.15	m
Minimum bending radius when installed	:	0.92	m
Minimum cable temperature during laying	:	-10	°C

Electrical data

Rated voltages U_o/U (U_m)		:	6/10 (12)	kV
Conductor	DC resistance at 20 °C, maximum	:	0.0469	Ω/km
	AC resistance at 90 °C	:	0.063	Ω/km
Permissible short-circuit current during 1 s (adiabetic 90-250 °C)		:	>50	kA
Insulation	Capacitance	:	0.59	µF/km
	Load current at 50 Hz and Uo	:	1.12	A/km
Earth screen				
Permissible short-circuit current during 1 s (adiabetic 80-250 °C)		:	10.4	kA

Cable

Continuous current rating	trefoil		horizontally, spacing	
Calculated according NPR 3626	touching		between cables: 70 mm	
In ground, depth 1m, Tg = 15°C, 0,75 Km/W	555	A	500	A
In air , Tl = 30°C, no direct solar radiation	865	A	855	A
Reactance per phase at 50 Hz	0.095	Ω/km	0.148	Ω/km

Cable type	:	**YMeKrvaslqwd 6/10 kV - 1x400 Alrm as35**
Article no.	:	147.6666.00
In accordance with	:	NEN 3620 (2003)

Cable construction

Conductor	:	solid aluminium, round
Conductor screen	:	extruded semiconducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semiconducting layer
Bedding	:	semi-conducting swellable tape
Earth screen	:	round copper wires and a counter helix of copper tape
Separation layer	:	semi-conducting swellable tape
Outer sheath	:	red PE ST7 (red PE is not UV-resistant on the long term and shall not be exposed to sunlight during a longer period)

Main dimensions and weight			nominal thickness		Diameter	
Conductor	:				21.6	mm
Insulation	:		3.4	mm	29.7	mm
Outer sheath	:		3.2	mm	42	mm
Weight per meter	:	2.1	kg			

Cable identification on outer sheath

PRYSMIAN NL - year wk.. YMeKrvaslqwd 6/10 kV - 1x400 Alrm as35 metermarking

Mass and drumsize (examples)

Drumtype	:	P20	wood
Flange diameter	:	2000	mm
Barrel diameter	:	1100	mm
Width overall	:	1080	mm
Length	:	720	m
Total mass. approx.	:	1.9	tons

Cable laying data

Maximum pulling force on conductor		:	8.0	kN
Maximum pulling force on cable using a cable grip		:	5.3	kN
Minimum bending radius during laying		:	0.95	m
Minimum bending radius when installed		:	0.76	m
Minimum cable temperature during laying		:	-10	°C

Electrical data

Rated voltages U_o/U (U_m)		:	6/10 (12)	kV
Conductor	DC resistance at 20 °C, maximum	:	0.0778	Ω/km
	AC resistance at 90 °C	:	0.102	Ω/km
Permissible short-circuit current during 1 s (adiabetic 90-250 °C)		:	37.8	kA
Insulation	Capacitance	:	0.50	µF/km
	Load current at 50 Hz and Uo	:	0.95	A/km
Earth screen				
Permissible short-circuit current during 1 s (adiabetic 80-250 °C)		:	5.2	kA

Cable

Continuous current rating Calculated according NPR 3626	trefoil touching		horizontally, spacing between cables: 70 mm	
In ground, depth 1m, Tg = 15°C, 0,75 Km/W	450	A	440	A
In air , Tl = 30°C, no direct solar radiation	660	A	725	A
Reactance per phase at 50 Hz	0.101	Ω/km	0.171	Ω/km

Cable type	:	**YMeKrvaslwd 8.7/15 kV - 1x630 as50**
Article no.	:	147.2198.50
In accordance with	:	NEN 3620 (2003)

Cable construction

Conductor	:	copper round stranded compacted
Conductor screen	:	extruded semi-conducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semi-conducting layer
Bedding	:	semi-conducting swellable tape
Earth screen	:	round copper wires and a counter helix of copper tape
Separation layer	:	semi-conducting swellable tape
Outer sheath	:	red PE (ST7) (red PE is not UV-resistant on the longterm and shall not be exposed to sunlight during a longer period)

Main dimensions and weight		nominal thickness		diameter	
Conductor	:			29.4	mm
Insulation	:	4.5	mm	39.7	mm
Outer sheath	:	2.5	mm	50	mm
Weight per meter	:	7.1 kg			

Cable identification on outer sheath

PRYSMIAN NL - year wk.. YMeKrvaslwd 8.7/15 kV - 1x630 as50 metermarking

Mass and drumsize (examples)

Drumtype	:	P24	wood
Flange diameter	:	2400	mm
Barrel diameter	:	1400	mm
Width overall	:	1370	mm
Length	:	500	m
Total mass. approx.	:	4.1	ton

Cable laying data

Maximum pulling force on the conductor	:	31.5	kN
Maximum pulling force on the cable, using a pulling grip	:	7.5	kN
Minimum bending radius during laying	:	1.19	m
Minimum bending radius when installed	:	0.95	m
Minimum cable temperature during laying	:	-10	°C

Electrical data

Rated voltages U_o/U (U_m) : 8.7/15 (18) k\ kV

Conductor	DC resistance at 20 °C, maximum	:	0.0283	Ω/km
	AC resistance at 90 °C	:	0.0409	Ω/km
Permissible short-circuit current during 1 s (adiabetic 90-250 °C)		:	>50	kA
Insulation	Capacitance	:	0.51	µF/km
	Load current at 50 Hz and Uo	:	1.39	A/km
Earth screen				
Permissible short-circuit current during 1 s (adiabetic 80-250 °C)		:	7.4	kA

Cable

Continuous current rating According NPR 3626	trefoil touching		horizontally, spacing cables: 70 mm	
screen bonded and earthed at both ends, 1 circuit				
In ground, depth 1m, Tg = 15°C, 0,75 Km/W	700	A	615	A
In air , Tl = 30°C, no direct solar radiation	1070	A	1075	A
Reactance per phase at 50 Hz	0.093	Ω/km	0.154	Ω/km

Cable type	:	**YMeKrvaslwd 8.7/15 kV - 1x185 as25**
Article no.	:	147.2121.80
In accordance with	:	NEN 3620 (2003) + client

Cable construction

Conductor	:	copper round stranded compacted
Conductor screen	:	extruded semi-conducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semi-conducting layer
Bedding	:	semi-conducting swellable tape
Earth screen	:	round copper wires and a counter helix of copper tape
Separation layer	:	semi-conducting swellable tape
Outer sheath	:	red PE (ST7) (red PE is not UV-resistant on the longterm and shall not be exposed to sunlight during a longer period)

Main dimensions and weight		nominal thickness		diameter	
Conductor	:			15.7	mm
Insulation	:	4.5	mm	26.0	mm
Outer sheath	:	3.0	mm	37	mm
Weight per meter	:	2.5 kg			

Cable identification on outer sheath

PRYSMIAN NL - year wk.. YMeKrvaslwd 8.7/15 kV - 1x185 as25 metermarking

Mass and drumsize (examples)

Drumtype	:	P22	wood
Flange diameter	:	2200	mm
Barrel diameter	:	1250	mm
Width overall	:	1360	mm
Length	:	1000	m
Total mass. approx.	:	3.0	ton

Cable laying data

Maximum pulling force on the conductor	:	9.3	kN
Maximum pulling force on the cable, using a pulling grip	:	4.1	kN
Minimum bending radius during laying	:	0.79	m
Minimum bending radius when installed	:	0.63	m
Minimum cable temperature during laying	:	-10	^{o}C

Electrical data

Rated voltages U_o/U (U_m) : 8.7/15 (18) k\ kV

Conductor	DC resistance at 20 ^{o}C, maximum	:	0.0991	Ω/km
	AC resistance at 90 ^{o}C	:	0.128	Ω/km
Permissible short-circuit current during 1 s (adiabetic 90-250 ^{o}C)		:	26.5	kA
Insulation	Capacitance	:	0.31	µF/km
	Load current at 50 Hz and Uo	:	0.84	A/km
Earth screen				
Permissible short-circuit current during 1 s (adiabetic 80-250 ^{o}C)		:	3.7	kA

Cable

Continuous current rating According NPR 3626	trefoil touching		horizontally, spacing cables: 70 mm	
screen bonded and earthed at both ends, 1 circuit				
In ground, depth 1m, Tg = 15^{o}C, 0,75 Km/W	395	A	400	A
In air , Tl = 30°C, no direct solar radiation	535	A	615	A
Reactance per phase at 50 Hz	0.113	Ω/km	0.190	Ω/km

Cable type	:	**YMeKrvaslwd 18/30 kV - 1x630alrm as50**
Article no.	:	147.8196.10
In accordance with	:	NEN 3620 (2003)

Cable construction

Conductor	:	aluminium, round solid
Conductor screen	:	semi-conducting tape extruded semiconducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semiconducting layer
Bedding	:	semi-conducting swellable tape
Earth screen	:	round copper wires and a counter helix of copper tape
Separation layer	:	semi-conducting swellable tape
Outer sheath	:	red PE ST7 (red PE is not UV-resistant on the longterm and shall not be exposed to sunlight during a longer period)

Main dimensions and weight

		nominal thickness		Diameter	
Conductor	:			27.8	mm
Insulation	:	8.0	mm	45.4	mm
Outer sheath	:	2.7	mm	56	mm
Weight per meter	:	3.7 kg			

Cable identification on outer sheath

PRYSMIAN NL - year wk.. YMeKrvaslwd 18/30 kV - 1x630alrm as50 metermarking

Mass and drumsize (examples)

Drumtype	:	P28	wood
Flange diameter	:	2800	mm
Barrel diameter	:	1500	mm
Width overall	:	1440	mm
Length	:	1000	m
Total mass. approx.	:	4.6	ton

Cable laying data

Maximum pulling force on the conductor	:	12.6	kN
Maximum pulling force on the cable, using a pulling grip	:	9.4	kN
Minimum bending radius during laying	:	1.26	m
Minimum bending radius when installed	:	1.01	m
Minimum cable temperature during laying	:	-10	^{o}C

Electrical data

Rated voltages U_o/U (U_m)		:	18/30(36)	kV
Conductor	DC resistance at 20 ^{o}C, maximum	:	0.0469	Ω/km
	AC resistance at 90 ^{o}C	:	0.063	Ω/km
Permissible short-circuit current during 1 s (adiabetic 90-250 ^{o}C)		:	>50	kA
Insulation	Capacitance	:	0.30	μF/km
	Load current at 50 Hz and U_o	:	1.72	A/km
Earth screen				
Permissible short-circuit current during 1 s (adiabetic 80-250 ^{o}C)		:	7.4	kA

Cable

Continuous current rating According NPR 3626	trefoil touching		horizontally, spacing between cables 70 mm	
screen bonded and earthed at both ends, 1 circuit				
In ground, depth 1m, Tg = 15^{o}C, 0,75 Km/W	575	A	530	A
In air , Tl = 30^{o}C, no direct solar radiation	880	A	920	A
Reactance per phase at 50 Hz	0.103	Ω/km	0.160	Ω/km

Cable type	:	**YMeKrvasdlwd 6/10 kV - 1x400 Alrm as35**
Article no.	:	147.6666.70
Based on	:	NEN 3620 (2003)

Cable construction

Conductor	:	aluminium round solid
Conductor screen	:	extruded semi-conducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semi-conducting layer
Bedding	:	semi-conducting swellable tape
Earth screen	:	round copper wires and a counter helix of copper tape
Separation layer	:	semi-conducting swellable tape
Metal layer	:	aluminium laminate
Outer sheath	:	red PE red PE is not UV-resistant on the long term and shall not be exposed to sunlight during a longer period)

Main dimensions and weight		Nominal thickness		Diameter	
Conductor	:			21.6	mm
Insulation	:	3.4	mm	29.7	mm
Outer sheath	:	2.5	mm	40	mm
Weight per meter	:	2.1	kg		

Cable identification on the outer sheath

PRYSMIAN NL - year wk.. YMeKrvasdlwd 6/10 kV - 1x400 Alrm as35 metermarking

Mass and packing (examples)

Drum type	:	P20	wood
Flange diameter	:	2000	mm
Barrel diameter	:	1100	mm
Width overall	:	1080	mm
length	:	725	m
Total mass approx.	:	1.9	ton

Cable laying data

Maximum pulling force on the conductor		:	8.0	kN
Maximum pulling force on the cable, using a pulling grip		:	4.8	kN
Minimum bending radius during laying		:	0.92	m
Minimum bending radius when installed		:	0.74	m
Minimum cable temperature during laying		:	-10	^{o}C

Electrical data

Rated voltages U_0/U (U_m) : 6/10 (12) kV kV

Conductor	DC resistance at 20^{o}C, maximum	:	0.0778	Ω/km
	AC resistance at 90^{o}C	:	0.102	Ω/km
Permissible shortcurrent during 1 s (adiabatic 90 - 250^{o}C)		:	37.8	kA
Insulation	Capacitance	:	0.50	μF/km
	Load current per phase at 50 Hz	:	0.95	A/km
Earth screen				
Permissible shortcurrent during 1 s (adiabatic 80 - 160^{o}C)		:	5.4	kA

The permissible short circuit current is limited by the maximum permissible temperature of the aluminium foil

Cable

Continuous current rating According NPR 3626 screen bonded and earthed at both ends, 1 circuit	trefoil touching		horizontally, spacing of cables: 70 mm	
In ground, depth 1m, Tg = 15^{o}C, 0.75 Km/W	445	A	435	A
In air, Tl = 30^{o}C, no direct solar radiation	655	A	710	A
Reactance per phase at 50 Hz	0.098	Ω/km	0.167	Ω/km

Cable type	:	**YMeKrvasdlwd 6/10 kV - 1x630 Alrm as50**
Article no.	:	147.6696.80
Based on	:	NEN 3620 (2003)

Cable construction

Conductor	:	aluminium round solid
Conductor screen	:	extruded semi-conducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semi-conducting layer
Bedding	:	semi-conducting swellable tape
Earth screen	:	round copper wires and a counter helix of copper tape
Separation layer	:	semi-conducting swellable tape
Metal layer	:	aluminium laminate
Outer sheath	:	red PE red PE is not UV-resistant on the long term and shall not be exposed to sunlight during a longer period)

Main dimensions and weight			Nominal thickness		Diameter	
Conductor	:				27.8	mm
Insulation	:		3.4	mm	35.9	mm
Outer sheath	:		2.5	mm	47	mm
Weight per meter	:	3.0 kg				

Cable identification on the outer sheath

PRYSMIAN NL - year wk.. YMeKrvasdlwd 6/10 kV - 1x630 Alrm as50 metermarking

Mass and packing (examples)

Drum type	:	P24	wood
Flange diameter	:	2400	mm
Barrel diameter	:	1400	mm
Width overall	:	1370	mm
length	:	1000	m
Total mass approx.	:	3.6	ton

Cable laying data

Maximum pulling force on the conductor		:	12.6	kN
Maximum pulling force on the cable, using a pulling grip		:	6.6	kN
Minimum bending radius during laying		:	1.12	m
Minimum bending radius when installed		:	0.90	m
Minimum cable temperature during laying		:	-10	^{o}C

Electrical data

Rated voltages U_0/U (U_m) : 6/10 (12) kV kV

Conductor	DC resistance at 20^{o}C, maximum	:	0.0469	Ω/km
	AC resistance at 90^{o}C	:	0.063	Ω/km
Permissible shortcurrent during 1 s (adiabatic 90 - 250^{o}C)		:	>50	kA
Insulation	Capacitance	:	0.62	μF/km
	Load current per phase at 50 Hz	:	1.18	A/km
Earth screen				
Permissible shortcurrent during 1 s (adiabatic 80 - 160^{o}C)		:	7.3	kA

The permissible short circuit current is limited by the maximum permissible temperature of the aluminium foil

Cable

Continuous current rating According NPR 3626 screen bonded and earthed at both ends, 1 circuit	trefoil touching		horizontally, spacing of cables: 70 mm	
In ground, depth 1m, Tg = 15^{o}C, 0.75 Km/W	565	A	515	A
In air, Tl = 30^{o}C, no direct solar radiation	870	A	880	A
Reactance per phase at 50 Hz	0.092	Ω/km	0.151	Ω/km