

<b>Cable type</b>	:	<b>YMeKrvslqwd 6/10 kV - 3x95 Alrm as70</b>
<b>Article no.</b>	:	147.6851.70 / 20001166
<b>In accordance with</b>	:	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

**Assembling**

Filler	:	central and lateral fillers
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	:	3.4 mm	18.8 mm
Outer sheath	:	3.2 mm	55 mm
Weight per meter	:	3.1 kg	(diameter of encompassing circle, cable shape is triangular, marking can be interrupted locally)

**Cable identification on outer sheath**

PRYSMIAN NL - year	YMeKrvslqwd 6/10 kV - 3x95 Alrm as70	metermarking
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**Mass and drums size (examples)**

Drumtype	:	P22	wood
Flange diameter	:	2200	mm
Barrel diameter	:	1250	mm
Width overall	:	1360	mm
Length	:	500	m
Total mass. approx.	:	2.0	ton

**Cable laying data**

Maximum pulling force on the cable, using a pulling grip	:	5.7	kN
Minimum bending radius during laying	:	0.79	m
Minimum bending radius when installed	:	0.66	m
Minimum cable temperature during laying	:	-10	°C

**Electrical data**

Rated voltages $U_o/U (U_m)$	:	6/10 (12)	kV kV
<u>Conductor</u>	DC resistance at 20 °C, maximum	:	0.320 Ω/km
	AC resistance at 90 °C	:	0.411 Ω/km
Permissible short-circuit current during 1 s (adiabatic 90-250 °C)	:	9.0	kA
<u>Insulation</u>	Capacitance	:	0.29 μF/km
	Load current at 50 Hz and $U_o$	:	0.55 A/km
<u>Earth screen</u>	Permissible short-circuit current during 1 s (adiabatic 80-250 °C)	:	10.4 kA
<u>Cable</u>	<i>Continuous current rating</i>		
	calculated according NPR 3626		
	1 circuit		
In ground, depth 1m, $T_g = 15^\circ\text{C}$ , 0,75 Km/W	:	210	A
In air, $T_I = 30^\circ\text{C}$ , no direct solar radiation	:	260	A
<i>Reactance per phase at 50 Hz</i>	:	0.100	Ω/km

<b>Cable type</b>	:	<b>YMeKrvaslwd 8.7/15 kV - 3x35 as35</b>
<b>Article no.</b>	:	147.2294.10 / 20001280
<b>In accordance with</b>	:	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

**Assembling**

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	:		7.0 mm
Insulation	:	4.5 mm	17.3 mm
Outer sheath	:	3.2 mm	52 mm
Weight per meter	:	2.9 kg	(diameter of encompassing circle, cable shape is triangular, marking can be interrupted locally)

**Cable identification on outer sheath**

PRYSMIAN NL - year	YMeKrvaslwd 8.7/15 kV - 3x35 as35	metermarking
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**Mass and drums size (examples)**

Drumtype	:	P20	wood
Flange diameter	:	2000	mm
Barrel diameter	:	1100	mm
Width overall	:	1080	mm
Length	:	500	m
Total mass. approx.	:	1.8	ton

**Cable laying data**

Maximum pulling force on the cable, using a pulling grip	:	5.3	kN
Minimum bending radius during laying	:	0.71	m
Minimum bending radius when installed	:	0.59	m
Minimum cable temperature during laying	:	-10	°C

**Electrical data**

Rated voltages $U_o/U (U_m)$	:	8.7/15 (18)	kV
<u>Conductor</u>	DC resistance at 20 °C, maximum	:	0.524 Ω/km
	AC resistance at 90 °C	:	0.668 Ω/km
	Permissible short-circuit current during 1 s (adiabatic 90-250 °C)	:	5.0 kA
<u>Insulation</u>	Capacitance	:	0.18 μF/km
	Load current at 50Hz and $U_o$	:	0.49 A/km
<u>Earth screen</u>			
	Permissible short-circuit current during 1 s (adiabatic 80-250 °C)	:	5.2 kA
<u>Cable</u>			
	<i>Continuous current rating</i>		
	calculated according NPR 3626		
	1 circuit		
	In ground, depth 1m, $T_g = 15^\circ\text{C}$ , 0,75 Km/W	:	160 A
	In air, $T_l = 30^\circ\text{C}$ , no direct solar radiation	:	175 A
	<i>Reactance per phase at 50 Hz</i>	:	0.122 Ω/km

<b>Cable type</b>	: VG-YMvKrvasmb 8.7/15 kV - 3x35 as25
<b>Article no.</b>	: 147.2291.25 / 20001281
<b>Specification</b>	: NEN 3620 (2003)

**Cable construction**

Conductor	: copper, round stranded compacted
Conductor screen	: extruded semi-conducting compound
Insulation	: XLPE
Insulation screen	: extruded semi-conducting compound
Bedding	: semi-conducting swellable tape
Core identification	: coloured tape
Metal screen	: copper tape

**Assembling**

Filling	: rubber
Inner sheath	: PVC flame retardant, type ST2
Armour/earth screen	: round galvanised steel wires and round copper wires distributed over the circumference, with a counter helix of galvanised steel tape.
Separation tape	: non-woven tape
Outer sheath	: red PVC flame retardant, type ST2

Main dimensions and weight	Nominal thickness	Diameter
Conductor		7.0 mm
Insulation	4.5 mm	17.3 mm
Inner sheath	1.5 mm	47 mm
Armour/earth screen	2.5 mm	52 mm
Outer sheath	2.8 mm	59 mm
Weight per meter	6.4 kg	

**Cable identification on the outer sheath**

PRYSMIAN NL - year ..	VG-YMvKrvasmb 8.7/15 kV - 3x35 as25	meter marking
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**Mass and packing (examples)**

Drum type	: P26 wood
Flange diameter	: 2600 mm
Barrel diameter	: 1500 mm
Width overall	: 1390 mm
length	: 750 m
Total mass approx.	: 5.5 ton

**Cable laying data**

Maximum pulling force on the conductors	: 5.3 kN
Maximum pulling force on the cable, using a pulling grip	: 27.8 kN
Minimum bending radius during laying	: 0.79 m
Minimum bending radius when installed	: 0.66 m
Minimum cable temperature during laying	: -5 °C

<b>Cable type</b>	:	<b>VG-YMvKrvasmb 8.7/15 kV - 3x35 as25</b>
<b>Article no.</b>	:	147.2291.25 / 20001281
<b>Specification</b>	:	NEN 3620 (2003)

**Electrical data**

Rated voltages $U_o/U$ ( $U_m$ )	:	8.7/15 (18) kV
<u>Conductor</u>	DC resistance at 20°C, maximum	: 0.524 $\Omega$ /km
	AC resistance at 90°C	: 0.668 $\Omega$ /km
Permissible short-circuit current during 1 s (adiabatic 90 - 250°C)	:	5.0 kA
<u>Insulation</u>	Capacity	: 0.18 $\mu$ F/km
	Load current per phase at 50 Hz	: 0.49 A/km
<u>Earth screen</u>		
Permissible short-circuit current during 1 s (adiabatic 70 - 250°C)	:	3.9 kA
<u>Cable</u>		
<i>Continuous current rating</i> (according NPR 3626)		
1 circuit	In ground, depth 1m, $T_g = 15^\circ\text{C}$ , 0,75 Km/W	: 160 A
	In air, $T_I = 30^\circ\text{C}$ , no direct solar radiation	: 175 A
<i>Reactance per phase at 50 Hz</i>	:	0.123 $\Omega$ /km

<b>Cable type</b>	:	<b>VG-YLKrv 6/10 kV - 3x185</b>
<b>Article no.</b>	:	147.1911.40 / 20007729
<b>Specification</b>	:	NEN 3620 (2003)

**Cable construction**

Conductor	:	copper, round stranded compacted
Conductor screen	:	semi-conducting tape extruded semi-conducting compound
Insulation	:	XLPE
Insulation screen	:	extruded semi-conducting compound
Bedding	:	semi-conducting swellable tape
Core identification	:	coloured tape
Metal screen	:	copper tape
<b>Assembling</b>		
Filling	:	polypropylene yarn
Binder	:	synthetic tape
Metal sheath	:	lead alloy
Inner sheath	:	PVC, type ST2
Armour	:	round galvanised steel wires with counter helix of galvanised steel tape
Separation tape	:	non-woven tape
Outer sheath	:	red PVC, type ST2

**Main dimensions and weight**

		Nominal thickness	Diameter
Conductor	:		15.7 mm
Insulation	:	3.4 mm	24.2 mm
Lead sheath	:	2.7 mm	62 mm
Inner sheath	:	1.8 mm	66 mm
Armour	:	3.15 mm	73 mm
Outer sheath	:	3.5 mm	81 mm
Weight per meter, appr.	:	18.2 kg	

**Cable identification on the outer sheath**

PRYSMIAN NL - year	VG-YLKrv 6/10 kV - 3x185	meter marking
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**Mass and packing (examples)**

Drum type	:	2879	wood
Flange diameter	:	2800	mm
Barrel diameter	:	1600	mm
Width overall	:	1800	mm
length	:	575	m
Total mass approx.	:	11.5	tons

**Cable laying data**

Maximum pulling force on the conductors	:	27.8	kN
Maximum pulling force on the cable, using a pulling grip	:	52	kN
Minimum bending radius during laying	:	1.16	m
Minimum bending radius when installed	:	0.97	m
Minimum cable temperature during laying	:	-5	°C

<b>Cable type</b>	:	<b>VG-YLKrv 6/10 kV - 3x185</b>
<b>Article no.</b>	:	147.1911.40 / 20007729
<b>Specification</b>	:	NEN 3620 (2003)

**Electrical data**

Rated voltages $U_o/U$ ( $U_m$ )		6/10 (12) kV	
<u>Conductor</u>	DC resistance at 20°C, maximum	0.0991	$\Omega/\text{km}$
	AC resistance at 90°C	0.128	$\Omega/\text{km}$
Permissible short-circuit current during 1 s (adiabatic 90 - 250°C)		26.5	kA
<u>Insulation</u>	Capacity	0.40	$\mu\text{F}/\text{km}$
	Load current per phase at 50 Hz	0.75	A/km
<u>Lead sheath</u>			
Permissible short-circuit current during 1 s (adiabatic 70 - 170°C)		10.9	kA
<u>Cable</u>			
<i>Continuous current rating</i> (according NPR 3626)			
1 circuit	In ground, depth 1m, $T_g = 15^\circ\text{C}$ , 0,75 Km/W	380	A
	In air, $T_I = 30^\circ\text{C}$ , no direct solar radiation	460	A
<i>Reactance per phase at 50 Hz</i>		0.091	$\Omega/\text{km}$

<b>Cable type</b>	:	<b>VG-YLKrv 6/10 kV - 3x120</b>
<b>Article no.</b>	:	147.1875.20 / 20001267
<b>Specification</b>	:	NEN 3620 (2003)

**Cable construction**

Conductor	:	copper, round stranded compacted
Conductor screen	:	semi-conducting tape
		extruded semi-conducting compound
Insulation	:	XLPE
Insulation screen	:	extruded semi-conducting compound
Bedding	:	semi-conducting swellable tape
Core identification	:	coloured tape
Metal screen	:	copper tape
<b>Assembling</b>		
Filling	:	polypropylene yarn
Binder	:	synthetic tape
Metal sheath	:	lead alloy
Inner sheath	:	PVC, type ST2
Armour	:	round galvanised steel wires with counter helix of galvanised steel tape
Separation tape	:	non-woven tape
Outer sheath	:	red PVC, type ST2

**Main dimensions and weight**

		Nominal thickness		Diameter	
Conductor	:			12.7	mm
Insulation	:	3.4	mm	21.2	mm
Lead sheath	:	2.5	mm	55	mm
Inner sheath	:	1.7	mm	59	mm
Armour	:	2.5	mm	64	mm
Outer sheath	:	3.3	mm	72	mm
Weight per meter, appr.	:	13.8	kg		

**Cable identification on the outer sheath**

PRYSMIAN NL - year	VG-YLKrv 6/10 kV - 3x120	meter marking
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**Mass and packing (examples)**

Drum type	:	2879	wood
Flange diameter	:	2800	mm
Barrel diameter	:	1600	mm
Width overall	:	1800	mm
Length	:	750	m
Total mass approx.	:	11.4	tons

**Cable laying data**

Maximum pulling force on the conductors	:	18.0	kN
Maximum pulling force on the cable, using a pulling grip	:	41	kN
Minimum bending radius during laying	:	1.02	m
Minimum bending radius when installed	:	0.85	m
Minimum cable temperature during laying	:	-5	°C

<b>Cable type</b>	:	<b>VG-YLKrv 6/10 kV - 3x120</b>
<b>Article no.</b>	:	147.1875.20 / 20001267
<b>Specification</b>	:	NEN 3620 (2003)

**Electrical data**

Rated voltages $U_o/U$ ( $U_m$ )		6/10 (12) kV
<u>Conductor</u>	DC resistance at 20°C, maximum	0.153 $\Omega$ /km
	AC resistance at 90°C	0.196 $\Omega$ /km
Permissible short-circuit current during 1 s (adiabatic 90 - 250°C)		17.2 kA
<u>Insulation</u>	Capacity	0.34 $\mu$ F/km
	Load current per phase at 50 Hz	0.64 A/km
<u>Lead sheath</u>		
Permissible short-circuit current during 1 s (adiabatic 70 - 170°C)		9.1 kA
<u>Cable</u>		
<i>Continuous current rating</i> (according NPR 3626)		
1 circuit	In ground, depth 1m, $T_g = 15^\circ\text{C}$ , 0,75 Km/W	300 A
	In air, $T_I = 30^\circ\text{C}$ , no direct solar radiation	360 A
<i>Reactance per phase at 50 Hz</i>		0.097 $\Omega$ /km

<b>Cable type</b>	:	<b>YMeKrvaslqwd 6/10 kV - 3x240 Alrm as50</b>
<b>Article no.</b>	:	147.6932.80 / 20001161
<b>In accordance with</b>	:	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

**Assembling**

Filler	:	central and lateral fillers
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	:	3.4 mm	25.1 mm
Outer sheath	:	3.2 mm	69 mm
Weight per meter	:	4.7 kg	(diameter of encompassing circle, cable shape is triangular, marking can be interrupted locally)

**Cable identification on outer sheath**

PRYSMIAN NL - year	YMeKrvaslqwd 6/10 kV - 3x240 Alrm as50	metermarking
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**Mass and drums size (examples)**

Drumtype	:	P24	wood
Flange diameter	:	2400	mm
Barrel diameter	:	1400	mm
Width overall	:	1370	mm
Length	:	500	m
Total mass. approx.	:	2.9	ton

**Cable laying data**

Maximum pulling force on the cable, using a pulling grip	:	14.3	kN
Minimum bending radius during laying	:	1.03	m
Minimum bending radius when installed	:	0.86	m
Minimum cable temperature during laying	:	-10	°C

**Electrical data**

Rated voltages $U_o/U (U_m)$	:	6/10 (12)	kV kV
<u>Conductor</u>	DC resistance at 20 °C, maximum	:	0.125 $\Omega$ /km
	AC resistance at 90 °C	:	0.161 $\Omega$ /km
Permissible short-circuit current during 1 s (adiabatic 90-250 °C)	:	22.7	kA
<u>Insulation</u>	Capacitance	:	0.41 $\mu$ F/km
	Load current at 50 Hz and $U_o$	:	0.78 A/km
<u>Earth screen</u>	Permissible short-circuit current during 1 s (adiabatic 80-250 °C)	:	7.4 kA
<u>Cable</u>	<i>Continuous current rating</i>		
	calculated according NPR 3626		
	1 circuit		
In ground, depth 1m, $T_g = 15^\circ\text{C}$ , 0,75 Km/W	:	350	A
In air, $T_I = 30^\circ\text{C}$ , no direct solar radiation	:	460	A
<i>Reactance per phase at 50 Hz</i>	:	0.088	$\Omega$ /km

<b>Cable type</b>	:	<b>YMeKrvslqwd 6/10 kV - 3x240 Alrm as70</b>
<b>Article no.</b>	:	147.6932.60 / 20001162
<b>In accordance with</b>	:	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

**Assembling**

Filler	:	central and lateral fillers
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	:	3.4 mm	25.1 mm
Outer sheath	:	3.2 mm	69 mm
Weight per meter	:	4.9 kg	(diameter of encompassing circle, cable shape is triangular, marking can be interrupted locally)

**Cable identification on outer sheath**

PRYSMIAN NL - year	YMeKrvslqwd 6/10 kV - 3x240 Alrm as70	metermarking
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**Mass and drums size (examples)**

Drumtype	:	P24	wood
Flange diameter	:	2400	mm
Barrel diameter	:	1400	mm
Width overall	:	1370	mm
Length	:	500	m
Total mass. approx.	:	3.0	ton

**Cable laying data**

Maximum pulling force on the cable, using a pulling grip	:	14.3	kN
Minimum bending radius during laying	:	1.03	m
Minimum bending radius when installed	:	0.86	m
Minimum cable temperature during laying	:	-10	°C

**Electrical data**

Rated voltages $U_o/U (U_m)$	:	6/10 (12)	kV kV
<u>Conductor</u>	DC resistance at 20 °C, maximum	:	0.125 Ω/km
	AC resistance at 90 °C	:	0.161 Ω/km
Permissible short-circuit current during 1 s (adiabatic 90-250 °C)	:	22.7	kA
<u>Insulation</u>	Capacitance	:	0.41 μF/km
	Load current at 50 Hz and $U_o$	:	0.78 A/km
<u>Earth screen</u>	Permissible short-circuit current during 1 s (adiabatic 80-250 °C)	:	10.4 kA
<u>Cable</u>	<i>Continuous current rating</i>		
	calculated according NPR 3626		
	1 circuit		
In ground, depth 1m, $T_g = 15^\circ\text{C}$ , 0,75 Km/W	:	350	A
In air, $T_I = 30^\circ\text{C}$ , no direct solar radiation	:	460	A
<i>Reactance per phase at 50 Hz</i>	:	0.088	Ω/km

<b>Cable type</b>	:	<b>YMeKrvaslqwd 6/10 kV - 3x150 Alrm as50</b>
<b>Article no.</b>	:	147.6891.70 / 20001164
<b>In accordance with</b>	:	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

**Assembling**

Filler	:	central and lateral fillers
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	:	3.4 mm	21.5 mm
Outer sheath	:	3.2 mm	61 mm
Weight per meter	:	3.6 kg	(diameter of encompassing circle, cable shape is triangular, marking can be interrupted locally)

**Cable identification on outer sheath**

PRYSMIAN NL - year	YMeKrvaslqwd 6/10 kV - 3x150 Alrm as50	metermarking
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**Mass and drums size (examples)**

Drumtype	:	P22	wood
Flange diameter	:	2200	mm
Barrel diameter	:	1250	mm
Width overall	:	1360	mm
Length	:	500	m
Total mass. approx.	:	2.2	ton

**Cable laying data**

Maximum pulling force on the cable, using a pulling grip	:	9.0	kN
Minimum bending radius during laying	:	0.89	m
Minimum bending radius when installed	:	0.74	m
Minimum cable temperature during laying	:	-10	°C

**Electrical data**

Rated voltages $U_o/U (U_m)$	:	6/10 (12)	kV kV
<u>Conductor</u>	DC resistance at 20 °C, maximum	:	0.206 Ω/km
	AC resistance at 90 °C	:	0.265 Ω/km
Permissible short-circuit current during 1 s (adiabatic 90-250 °C)	:	14.2	kA
<u>Insulation</u>	Capacitance	:	0.34 μF/km
	Load current at 50 Hz and $U_o$	:	0.65 A/km
<u>Earth screen</u>	Permissible short-circuit current during 1 s (adiabatic 80-250 °C)	:	7.4 kA
<u>Cable</u>	<i>Continuous current rating</i>		
	calculated according NPR 3626		
	1 circuit		
In ground, depth 1m, $T_g = 15^\circ\text{C}$ , 0,75 Km/W	:	270	A
In air, $T_I = 30^\circ\text{C}$ , no direct solar radiation	:	340	A
<i>Reactance per phase at 50 Hz</i>	:	0.094	Ω/km

<b>Cable type</b>	:	<b>YMeKrvaslqwd 6/10 kV - 3x150 Alrm as70</b>
<b>Article no.</b>	:	147.6891.60 / 20001173
<b>In accordance with</b>	:	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

**Assembling**

Filler	:	central and lateral fillers
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	:	3.4 mm	21.5 mm
Outer sheath	:	3.2 mm	61 mm
Weight per meter	:	3.8 kg	(diameter of encompassing circle, cable shape is triangular, marking can be interrupted locally)

**Cable identification on outer sheath**

PRYSMIAN NL - year	YMeKrvaslqwd 6/10 kV - 3x150 Alrm as70	metermarking
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**Mass and drums size (examples)**

Drumtype	:	P22	wood
Flange diameter	:	2200	mm
Barrel diameter	:	1250	mm
Width overall	:	1360	mm
Length	:	500	m
Total mass. approx.	:	2.3	ton

**Cable laying data**

Maximum pulling force on the cable, using a pulling grip	:	9.0	kN
Minimum bending radius during laying	:	0.89	m
Minimum bending radius when installed	:	0.74	m
Minimum cable temperature during laying	:	-10	°C

**Electrical data**

Rated voltages $U_o/U (U_m)$	:	6/10 (12)	kV kV
<u>Conductor</u>	DC resistance at 20 °C, maximum	:	0.206 Ω/km
	AC resistance at 90 °C	:	0.265 Ω/km
Permissible short-circuit current during 1 s (adiabatic 90-250 °C)	:	14.2	kA
<u>Insulation</u>	Capacitance	:	0.34 μF/km
	Load current at 50 Hz and $U_o$	:	0.65 A/km
<u>Earth screen</u>	Permissible short-circuit current during 1 s (adiabatic 80-250 °C)	:	10.4 kA
<u>Cable</u>	<i>Continuous current rating</i>		
	calculated according NPR 3626		
	1 circuit		
In ground, depth 1m, $T_g = 15^\circ\text{C}$ , 0,75 Km/W	:	270	A
In air, $T_I = 30^\circ\text{C}$ , no direct solar radiation	:	340	A
<i>Reactance per phase at 50 Hz</i>	:	0.094	Ω/km

<b>Cable type</b>	:	<b>EG-YMvKrvs 8.7/15 kV - 3x120 as50</b>
<b>Article no.</b>	:	147.2371.50 / 20001249
<b>Specification</b>	:	NEN 3620 (2003)

**Cable construction**

Conductor	:	copper, round stranded compacted
Conductor screen	:	semi-conducting tape extruded semi-conducting compound
Insulation	:	XLPE
Insulation screen	:	extruded semi-conducting compound
Bedding	:	semi-conducting swellable tape
Core identification	:	coloured tape
Metal screen	:	copper tape

**Assembling**

Filling	:	rubber
Inner sheath	:	PVC
Armour/earth screen	:	round galvanised steel wires and round copper wires distributed over the circumference, with a counter helix of galvanised steel tape.
Separation tape	:	non-woven tape
Outer sheath	:	red PE <span style="margin-left: 20px;">red PE is not UV-resistant on the long term and shall not be exposed to sunlight during a longer period)</span>

**Main dimensions and weight**

	Nominal thickness	Diameter
Conductor		12.7 mm
Insulation	4.5 mm	23.4 mm
Inner sheath	1.7 mm	61 mm
Armour/earth screen	2.5 mm	66 mm
Outer sheath	3.3 mm	74 mm
Weight per meter	10.6 kg	

**Cable identification on the outer sheath**

PRYSMIAN NL - year wk... EG-YMvKrvs 8.7/15 kV - 3x120 as50 meter marking

**Mass and packing (examples)**

Drum type	:	P24	wood
Flange diameter	:	2400	mm
Barrel diameter	:	1400	mm
Width overall	:	1370	mm
length	:	350	m
Total mass approx.	:	4.3	ton

**Cable laying data**

Maximum pulling force on the conductors	:	18.0	kN
Maximum pulling force on the cable, using a pulling grip	:	43.8	kN
Minimum bending radius during laying	:	1.04	m
Minimum bending radius when installed	:	0.87	m
Minimum cable temperature during laying	:	-5	°C

<b>Cable type</b>	:	<b>EG-YMvKrvas 8.7/15 kV - 3x120 as50</b>
<b>Article no.</b>	:	147.2371.50 / 20001249
<b>Specification</b>	:	NEN 3620 (2003)

**Electrical data**

Rated voltages $U_o/U$ ( $U_m$ )	:	8.7/15 (18) kV
<u>Conductor</u>	DC resistance at 20°C, maximum	: 0.153 $\Omega$ /km
	AC resistance at 90°C	: 0.196 $\Omega$ /km
Permissible short-circuit current during 1 s (adiabatic 90 - 250°C)	:	17.2 kA
<u>Insulation</u>	Capacity	: 0.27 $\mu$ F/km
	Load current per phase at 50 Hz	: 0.74 A/km
<u>Earth screen</u>		
Permissible short-circuit current during 1 s (adiabatic 70 - 250°C)	:	7.7 kA
<u>Cable</u>		
<i>Continuous current rating</i> (according NPR 3626)		
1 circuit	In ground, depth 1m, $T_g = 15^\circ\text{C}$ , 0,75 Km/W	: 300 A
	In air, $T_I = 30^\circ\text{C}$ , no direct solar radiation	: 360 A
<i>Reactance per phase at 50 Hz</i>	:	0.103 $\Omega$ /km

<b>Cable type</b>	: YMeKrvaslwd 8.7/15 kV - 3x70 as50
<b>Article no.</b>	: 147.2334.10 / 20001275
<b>In accordance with</b>	: NEN 3620 (2003)

**Cable construction**

Conductor	:	copper, round stranded compacted
Conductor screen	:	semi-conducting tape extruded semi-conducting layer
Insulation	:	XLPE
Insulation screen	:	extruded semi-conducting layer
Bedding	:	semi-conducting swellable tape

**Assembling**

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	:		9.7 mm
Insulation	:	4.5 mm	20.4 mm
Outer sheath	:	3.2 mm	58 mm
Weight per meter	:	4.1 kg	(diameter of encompassing circle, cable shape is triangular, marking can be interrupted locally)

**Cable identification on outer sheath**

PRYSMIAN NL - year	YMeKrvaslwd 8.7/15 kV - 3x70 as50	metermarking
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**Mass and drums size (examples)**

Drumtype	:	P26	wood
Flange diameter	:	2600	mm
Barrel diameter	:	1500	mm
Width overall	:	1390	mm
Length	:	750	m
Total mass. approx.	:	3.9	ton

**Cable laying data**

Maximum pulling force on the cable, using a pulling grip	:	10.1	kN
Minimum bending radius during laying	:	0.81	m
Minimum bending radius when installed	:	0.68	m
Minimum cable temperature during laying	:	-10	°C

**Electrical data**

Rated voltages $U_o/U (U_m)$	:	8.7/15 (18)	kV
<u>Conductor</u>	DC resistance at 20 °C, maximum	:	0.268 Ω/km
	AC resistance at 90 °C	:	0.342 Ω/km
Permissible short-circuit current during 1 s (adiabatic 90-250 °C)	:	10.0	kA
<u>Insulation</u>	Capacitance	:	0.23 μF/km
	Load current at 50Hz and $U_o$	:	0.61 A/km
<u>Earth screen</u>	Permissible short-circuit current during 1 s (adiabatic 80-250 °C)	:	7.4 kA
<u>Cable</u>	<i>Continuous current rating</i> calculated according NPR 3626 1 circuit		
	In ground, depth 1m, $T_g = 15^\circ\text{C}$ , 0,75 Km/W	:	225 A
	In air, $T_I = 30^\circ\text{C}$ , no direct solar radiation	:	260 A
	<i>Reactance per phase at 50 Hz</i>	:	0.111 Ω/km

<b>Cable type</b>	: EG-YMvKrvas 8.7/15 kV - 3x50 as25
<b>Article no.</b>	: 147.2311.50 / 20001278
<b>Specification</b>	: NEN 3620 (2003)

**Cable construction**

Conductor	:	copper, round stranded compacted
Conductor screen	:	semi-conducting tape extruded semi-conducting compound
Insulation	:	XLPE
Insulation screen	:	extruded semi-conducting compound
Bedding	:	semi-conducting swellable tape
Core identification	:	coloured tape
Metal screen	:	copper tape

**Assembling**

Filling	:	rubber
Inner sheath	:	PVC
Armour/earth screen	:	round galvanised steel wires and round copper wires distributed over the circumference, with a counter helix of galvanised steel tape.
Separation tape	:	non-woven tape
Outer sheath	:	red PE <span style="margin-left: 20px;">red PE is not UV-resistant on the long term and shall not be exposed to sunlight during a longer period)</span>

**Main dimensions and weight**

	Nominal thickness	Diameter
Conductor		8.1 mm
Insulation	4.5 mm	18.8 mm
Inner sheath	1.5 mm	50 mm
Armour/earth screen	2.5 mm	55 mm
Outer sheath	2.9 mm	62 mm
Weight per meter	7.0 kg	

**Cable identification on the outer sheath**

PRYSMIAN NL - year wk..	EG-YMvKrvas 8.7/15 kV - 3x50 as25	meter marking
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**Mass and packing (examples)**

Drum type	:	P22	wood
Flange diameter	:	2200	mm
Barrel diameter	:	1250	mm
Width overall	:	1360	mm
length	:	500	m
Total mass approx.	:	4.0	ton

**Cable laying data**

Maximum pulling force on the conductors	:	7.5	kN
Maximum pulling force on the cable, using a pulling grip	:	30.8	kN
Minimum bending radius during laying	:	0.84	m
Minimum bending radius when installed	:	0.70	m
Minimum cable temperature during laying	:	-5	°C

<b>Cable type</b>	:	<b>EG-YMvKrvas 8.7/15 kV - 3x50 as25</b>
<b>Article no.</b>	:	147.2311.50 / 20001278
<b>Specification</b>	:	NEN 3620 (2003)

**Electrical data**

Rated voltages $U_0/U$ ( $U_m$ )	:	8.7/15 (18)
<u>Conductor</u>	DC resistance at 20°C, maximum	: 0.387 $\Omega$ /km
	AC resistance at 90°C	: 0.493 $\Omega$ /km
Permissible short-circuit current during 1 s (adiabatic 90 - 250°C)	:	7.2 kA
<u>Insulation</u>	Capacity	: 0.20 $\mu$ F/km
	Load current per phase at 50 Hz	: 0.55 A/km
<u>Earth screen</u>		
Permissible short-circuit current during 1 s (adiabatic 70 - 250°C)	:	3.9 kA
<u>Cable</u>		
<i>Continuous current rating</i> (according NPR 3626)		
1 circuit	In ground, depth 1m, $T_g = 15^\circ\text{C}$ , 0,75 Km/W	: 185 A
	In air, $T_I = 30^\circ\text{C}$ , no direct solar radiation	: 210 A
<i>Reactance per phase at 50 Hz</i>	:	0.119 $\Omega$ /km

<b>Cable type</b>	: VG-YMvKrvasmb 8.7/15 kV - 3x50 as25
<b>Article no.</b>	: 147.2311.45 / 20001274
<b>Specification</b>	: NEN 3620 (2003)

**Cable construction**

Conductor	: copper, round stranded compacted
Conductor screen	: extruded semi-conducting compound
Insulation	: XLPE
Insulation screen	: extruded semi-conducting compound
Bedding	: semi-conducting swellable tape
Core identification	: coloured tape
Metal screen	: copper tape

**Assembling**

Filling	: rubber
Inner sheath	: PVC flame retardant, type ST2
Armour/earth screen	: round galvanised steel wires and round copper wires distributed over the circumference, with a counter helix of galvanised steel tape.
Separation tape	: non-woven tape
Outer sheath	: red PVC flame retardant, type ST2

**Main dimensions and weight**

	Nominal thickness	Diameter
Conductor		8.1 mm
Insulation	4.5 mm	18.4 mm
Inner sheath	1.5 mm	49 mm
Armour/earth screen	2.5 mm	55 mm
Outer sheath	2.9 mm	61 mm
Weight per meter	7.1 kg	

**Cable identification on the outer sheath**

PRYSMIAN NL - year ..	VG-YMvKrvasmb 8.7/15 kV - 3x50 as25	meter marking
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**Mass and packing (examples)**

Drum type	: P28 wood
Flange diameter	: 2800 mm
Barrel diameter	: 1500 mm
Width overall	: 1440 mm
length	: 750 m
Total mass approx.	: 6.3 ton

**Cable laying data**

Maximum pulling force on the conductors	: 7.5 kN
Maximum pulling force on the cable, using a pulling grip	: 29.8 kN
Minimum bending radius during laying	: 0.83 m
Minimum bending radius when installed	: 0.69 m
Minimum cable temperature during laying	: -5 °C

<b>Cable type</b>	:	<b>VG-YMvKrvasm 8.7/15 kV - 3x50 as25</b>
<b>Article no.</b>	:	147.2311.45 / 20001274
<b>Specification</b>	:	NEN 3620 (2003)

**Electrical data**

Rated voltages $U_0/U$ ( $U_m$ )	:	8.7/15 (18) kV	
<u>Conductor</u>	DC resistance at 20°C, maximum	:	0.387 $\Omega$ /km
	AC resistance at 90°C	:	0.493 $\Omega$ /km
Permissible short-circuit current during 1 s (adiabatic 90 - 250°C)	:	7.2 kA	
<u>Insulation</u>	Capacity	:	0.20 $\mu$ F/km
	Load current per phase at 50 Hz	:	0.53 A/km
<u>Earth screen</u>			
Permissible short-circuit current during 1 s (adiabatic 70 - 250°C)	:	3.9 kA	
<u>Cable</u>			
<i>Continuous current rating</i> (according NPR 3626)			
1 circuit	In ground, depth 1m, $T_g = 15^\circ\text{C}$ , 0,75 Km/W	:	185 A
	In air, $T_I = 30^\circ\text{C}$ , no direct solar radiation	:	210 A
<i>Reactance per phase at 50 Hz</i>	:	0.117 $\Omega$ /km	