Cabluri cu izolatie din dielectrici masivi extrudati	Cabluri de medie tensiune monofazate cu conductoare de aluminiu, izolate cu XLPE, cu protectie longitudinala la patrunderea apei, si manta de PE
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

A2XS(F)2Y

CEI IEC 60502-2 : 2005

Utilizare: Cabluri de medie tensiune monofazate pentru instalatii industriale si centrale electrice pozate in pamant.

CONSTRUCTIE

- **CONDUCTOR :** Cf. IEC 60228 + A1

Aluminiu
Rotund unifilar - RE / multifilar –RM

- **SEMICONDUCTOR INTERIOR**

Elastomer extrudat lipit ferm de izolatie

- **IZOLATIE :**

Polietilena reticulabila – XLPE, extrudata

- **SEMICONDUCTOR EXTERIOR :**

Elastomer extrudat lipit ferm de izolator sau usor jupuibil
+ strat de benzi semiconductoare gonflabile aplicate elicoidal sau longitudinal

- **ECRAN :**

Fire de cupru, aplicate elicoidal + contraspira din banda de cupru

- **STRAT BLOCARE LONGITUDINALA APA :**

Benzi neconductoare gonflabile, aplicate elicoidal sau longitudinal

- **MANTA EXTERIOARA :**

Polietilena - PE, culoare neagra

Marcare : Ex : “PRYSMIAN A2XS(F)2Y 1x150/16 12/20 kV (an) (metraj)”

RE :
RM :

CARACTERISTICI

Temp. max. conductor, regim normal	Temp. max. conductor, scurtcirc, 5 s	Rezistenta la radiatii UV	Rigide	Raza min. curbura, la pozare r = 15 x D			ELECTRICA Romania

CONDITII DE INSTALARE

Temp. min. la pozare : -15°C	In pamant , protejat	In tuburi	In canale	In aer liber	In apa

PRYSMIAN CABLES & SYSTEMS SLATINA

Cabluri cu izolatie din dielectrici masivi extrudati	Cabluri de medie tensiune monofazate cu conductoare de aluminiu, izolate cu XLPE, cu protectie longitudinala la patrunderea apei, si manta de PE
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

A2XS(F)2Y

3,6/6 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant						
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla	Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(mm)
50/16	222	189	184	157	152	8,2	2,5	22	525	330
70/16	278	236	230	192	186	9,8	2,5	24	610	360
95/16	338	287	280	229	221	11,4	2,5	26	710	390
120/16	391	332	324	260	252	12,9	2,5	27	811	405
150/16	440	376	368	288	281	14,2	2,5	29	900	435
150/25	440	376	368	288	281	14,2	2,5	29	985	435
185/25	504	432	424	324	317	15.8	2,5	30	1125	450
240/25	593	511	502	373	367	18,2	2,6	33	1320	495
300/25	677	586	577	419	414	20.3	2,8	36	1530	540
400/35	769	676	673	466	470	23,5	3,0	39	2020	585
500/35	868		766	627	603	26,3	3,2	43	2370	645

6/10 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant						
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla	Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(m)
50/16	222	189	184	157	152	8,2	3,4	24	585	360
70/16	278	236	230	192	186	9,8	3,4	26	675	390
95/16	338	287	280	229	221	11,4	3,4	28	780	420
120/16	391	332	324	260	252	12,9	3,4	29	880	435
150/16	440	376	368	288	281	14,2	3,4	30	976	450
150/25	440	376	368	288	281	14,2	3,4	30	1060	450
185/25	504	432	424	324	317	15.8	3,4	32	1200	480
240/25	593	511	502	373	367	18,2	3,4	35	1405	525
300/25	677	586	577	419	414	20.3	3,4	37	1595	555
400/35	769	676	673	466	470	23,5	3,4	40	2065	600
500/35	868		766	627	603	26,3	3,4	43	2395	645

8,7/15 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant						
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla	Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(mm)
50/16	222	189	184	157	152	8,2	4,5	27	660	405
70/16	278	236	230	192	186	9,8	4,5	28	760	420
95/16	338	287	280	229	221	11,4	4,5	30	865	450
120/16	391	332	324	260	252	12,9	4,5	31	975	645
150/16	440	376	368	288	281	14,2	4,5	33	1070	495
150/25	440	376	368	288	281	14,2	4,5	33	1150	495
185/25	504	432	424	324	317	15.8	4,5	35	1305	525
240/25	593	511	502	373	367	18,2	4,5	37	1516	555
300/25	677	586	577	419	414	20.3	4,5	39	1710	585
400/35	769	676	673	466	470	23,5	4,5	43	2200	645
500/35	868		766	627	603	26,3	4,5	46	2540	690

A2XS(F)2Y

12/20 kV

Sect. nom. (mm²)	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
	In linie distantat (A)	In linie lipit (A)	Trefla (A)	In linie distantat (A)	Trefla (A)					
50/16	222	189	184	157	152	8,2	5,5	29	735	435
70/16	278	236	230	192	186	9,8	5,5	31	845	465
95/16	338	287	280	229	221	11,4	5,5	32	955	480
120/16	391	332	324	260	252	12,9	5,5	34	1070	510
150/16	440	376	368	288	281	14,2	5,5	35	1170	525
150/25	440	376	368	288	281	14,2	5,5	35	1250	525
185/25	504	432	424	324	317	15,8	5,5	37	1410	555
240/25	593	511	502	373	367	18,2	5,5	39	1620	585
300/25	677	586	577	419	414	20,3	5,5	41	1826	615
400/35	769	676	673	466	470	23,5	5,5	45	2320	675
500/35	868		766	627	603	26,3	5,5	48	2665	720

18/30 kV

Sect. nom. (mm²)	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
	In linie distantat (A)	In linie lipit (A)	Trefla (A)	In linie distantat (A)	Trefla (A)					
50/16	222	189	184	157	152	8,2	8,0	34	960	510
70/16	278	236	230	192	186	9,8	8,0	36	1075	540
95/16	338	287	280	229	221	11,4	8,0	37	1205	555
120/16	391	332	324	260	252	12,9	8,0	39	1320	585
150/16	440	376	368	288	281	14,2	8,0	40	1440	600
150/25	440	376	368	288	281	14,2	8,0	40	1525	600
185/25	504	432	424	324	317	15,8	8,0	42	1685	630
240/25	593	511	502	373	367	18,2	8,0	45	19120	675
300/25	677	586	577	419	414	20,3	8,0	47	2150	705
400/35	769	676	673	466	470	23,5	8,0	50	2665	750
500/35	868		766	627	603	26,3	8,0	53	3040	795

CONDITII DE POZARE :

Tip pozare	Rezistivitate termica sol (K. m/W)	Adancimea de pozare (m)	Temperatura (C)	Distanta fata de perete	Distanta dintre faze
In aer	-	-	30	>= 0.5 x D	D
In pamant	1,5	0,8	20	-	-

Cabluri cu izolatie din dielectrici masivi extrudati	Cabluri de medie tensiune monofazate cu conductoare de aluminiu, izolate cu XLPE, cu protectie longitudinala la patrunderea apei, si manta de PVC
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

A2XS(F)Y

CEI IEC 60502-2 : 2005

Utilizare: Cabluri de medie tensiune monofazate pentru instalatii industriale si centrale electrice pozate in pamant, si acolo unde mantaua de PVC nu este atacata de agenti corozivi (ex: acetona, ciclohexanona)

CONSTRUCTIE

- **CONDUCTOR :** Cf. IEC 60228 + A1

Aluminiu
Rotund unifilar - RE / multifilar –RM

- **SEMICONDUCTOR INTERIOR**

Elastomer extrudat lipit ferm de izolatie

- **IZOLATIE :**

Polietilena reticulabila – XLPE, extrudata

- **SEMICONDUCTOR EXTERIOR :**

Elastomer extrudat lipit ferm de izolator sau usor jupuibil
+ strat de benzi semiconductoare gonflabile aplicate elicoidal sau longitudinal

- **ECRAN :**

Fire de cupru, aplicate elicoidal + contraspira din banda de cupru

- **STRAT BLOCARE LONGITUDINALA APA :**

Benzi neconductoare gonflabile, aplicate elicoidal sau longitudinal

- **MANTA EXTERIOARA :**

Policlorura de vinil - PVC, culoare rosie

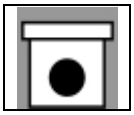
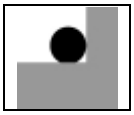
Marcare : Ex : “PRYSMIAN A2XS(F)Y 1x150/16 12/20 kV (an) (metraj)”

RE : ○
RM : ⠿

CARACTERISTICI

								
Temp. max. conductor, regim normal	Temp. max. conductor, scurtcirc, 5 s	Rezistenta la propagare flacara IEC 332-1	Rezistenta la radiatii UV	Rigide	Raza min. curbura, la pozare r = 15 x D			ELECTRICA Romania

CONDITII DE INSTALARE

					
Temp. min. la pozare : -5°C	In pamant , protejat	In tuburi	In canale	In aer liber	In apa

PRYSMIAN CABLES & SYSTEMS SLATINA

A2XS(F)Y

3,6/6 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla					
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(mm)
50/16	222	189	184	157	152	8,2	2,5	22	590	330
70/16	278	236	230	192	186	9,8	2,5	24	680	360
95/16	338	287	280	229	221	11,4	2,5	26	785	390
120/16	391	332	324	260	252	12,9	2,5	27	900	405
150/16	440	376	368	288	281	14,2	2,5	29	990	435
150/25	440	376	368	288	281	14,2	2,5	29	1070	435
185/25	504	432	424	324	317	15,8	2,5	30	1220	450
240/25	593	511	502	373	367	18,2	2,6	33	1430	495
300/25	677	586	577	419	414	20,3	2,8	36	1650	540
400/35	769	676	673	466	470	23,5	3,0	39	2170	585
500/35	868		766	627	603	26,3	3,2	43	2540	645

6/10 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla					
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(m)
50/16	222	189	184	157	152	8,2	3,4	24	655	360
70/16	278	236	230	192	186	9,8	3,4	26	751	390
95/16	338	287	280	229	221	11,4	3,4	28	865	420
120/16	391	332	324	260	252	12,9	3,4	29	970	435
150/16	440	376	368	288	281	14,2	3,4	30	1075	450
150/25	440	376	368	288	281	14,2	3,4	30	1160	450
185/25	504	432	424	324	317	15,8	3,4	32	1305	480
240/25	593	511	502	373	367	18,2	3,4	35	1520	525
300/25	677	586	577	419	414	20,3	3,4	37	1730	555
400/35	769	676	673	466	470	23,5	3,4	40	2215	600
500/35	868		766	627	603	26,3	3,4	43	2565	645

8,7/15 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla					
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(mm)
50/16	222	189	184	157	152	8,2	4,5	27	735	405
70/16	278	236	230	192	186	9,8	4,5	28	850	420
95/16	338	287	280	229	221	11,4	4,5	30	955	450
120/16	391	332	324	260	252	12,9	4,5	31	1075	645
150/16	440	376	368	288	281	14,2	4,5	33	1175	495
150/25	440	376	368	288	281	14,2	4,5	33	1260	495
185/25	504	432	424	324	317	15,8	4,5	35	1425	525
240/25	593	511	502	373	367	18,2	4,5	37	1650	555
300/25	677	586	577	419	414	20,3	4,5	39	1850	585
400/35	769	676	673	466	470	23,5	4,5	43	2365	645
500/35	868		766	627	603	26,3	4,5	46	2725	690

A2XS(F)Y

12/20 kV

Sect. nom. (mm²)	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
	In linie distantat (A)	In linie lipit (A)	Trefla (A)	In linie distantat (A)	Trefla (A)					
50/16	222	189	184	157	152	8,2	5,5	29	825	435
70/16	278	236	230	192	186	9,8	5,5	31	945	465
95/16	338	287	280	229	221	11,4	5,5	32	1060	480
120/16	391	332	324	260	252	12,9	5,5	34	1185	510
150/16	440	376	368	288	281	14,2	5,5	35	1286	525
150/25	440	376	368	288	281	14,2	5,5	35	1370	525
185/25	504	432	424	324	317	15,8	5,5	37	1540	555
240/25	593	511	502	373	367	18,2	5,5	39	1760	585
300/25	677	586	577	419	414	20,3	5,5	41	1985	615
400/35	769	676	673	466	470	23,5	5,5	45	2495	675
500/35	868		766	627	603	26,3	5,5	48	2860	720

18/30 kV

Sect. nom. (mm²)	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
	In linie distantat (A)	In linie lipit (A)	Trefla (A)	In linie distantat (A)	Trefla (A)					
50/16	222	189	184	157	152	8,2	8,0	34	1075	510
70/16	278	236	230	192	186	9,8	8,0	36	1196	540
95/16	338	287	280	229	221	11,4	8,0	37	1335	555
120/16	391	332	324	260	252	12,9	8,0	39	1460	585
150/16	440	376	368	288	281	14,2	8,0	40	1590	600
150/25	440	376	368	288	281	14,2	8,0	40	1675	600
185/25	504	432	424	324	317	15,8	8,0	42	1841	630
240/25	593	511	502	373	367	18,2	8,0	45	2100	675
300/25	677	586	577	419	414	20,3	8,0	47	2340	705
400/35	769	676	673	466	470	23,5	8,0	50	2876	750
500/35	868		766	627	603	26,3	8,0	53	3270	795

CONDITII DE POZARE :

Tip pozare	Rezistivitate termica sol (K . m/W)	Adancimea de pozare (m)	Temperatura (C)	Distanta fata de perete	Distanta dintre faze
In aer	-	-	30	>= 0.5 x D	D
In pamant	1,5	0,8	20	-	-

Cabluri cu izolatie din dielectrici masivi extrudati	Cabluri de medie tensiune monofazate cu conductoare de aluminiu, izolate cu XLPE, cu protectie longitudinala si transversala la patrunderea apei, si manta de PE
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

A2XS(FL)2Y

CEI IEC 60502-2 : 2005

Utilizare: Cabluri de medie tensiune monofazate pentru instalatii industriale si centrale electrice pozate in pamant.

CONSTRUCTIE

- **CONDUCTOR :** Cf. IEC 60228 + A1

Aluminiu
Rotund unifilar - RE / multifilar –RM

- **SEMICONDUCTOR INTERIOR**

Elastomer extrudat lipit ferm de izolatie

- **IZOLATIE :**

Polietilena reticulabila – XLPE, extrudata

- **SEMICONDUCTOR EXTERIOR :**

Elastomer extrudat lipit ferm de izolator sau usor jupuibil
+ strat de benzi semiconductoare gonflabile aplicate elicoidal sau longitudinal

- **ECRAN :**

Fire de cupru, aplicate elicoidal + contraspira din banda de cupru

- **STRAT BLOCARE LONGITUDINALA APA :**

Benzi neconductoare gonflabile, aplicate elicoidal sau longitudinal

- **STRAT PROTECTIE UMEZEALA :**

Banda aluminiu cu copolimer pe ambele fete, aplicata longitudinal

- **MANTA EXTERIOARA :**

Polietilena - PE, culoare neagra

Marcare : Ex : “PRYSMIAN A2XS(FL)2Y 1x150/16 12/20 kV (an) (metraj)”

RE : ○
RM : ◉

CARACTERISTICI

90°C	250°C					TEST	Cert
Temp. max. conductor, regim normal	Temp. max. conductor, scurtcirc, 5 s	Rezistenta la radiatii UV	Rigide	Raza min. curbura, la pozare r = 15 x D			ELECTRICA Romania

CONDITII DE INSTALARE

Temp. min. la pozare : -15°C	In pamant , protejat	In tuburi	In canale	In aer liber	In apa

PRYSMIAN CABLES & SYSTEMS SLATINA

Cabluri cu izolatie din dielectrici masivi extrudati	Cabluri de medie tensiune monofazate cu conductoare de aluminiu, izolate cu XLPE, cu protectie longitudinala si transversala la patrunderea apei, si manta de PE
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

A2XS(FL)2Y

3,6/6 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant						
(mm²)	In linie distantat (A)	In linie lipit (A)	Trefla (A)	In linie distantat (A)	Trefla (A)	Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
50/16	222	189	184	157	152	8,2	2,5	24	564	360
70/16	278	236	230	192	186	9,8	2,5	25	652	375
95/16	338	287	280	229	221	11,4	2,5	27	754	405
120/16	391	332	324	260	252	12,9	2,5	29	857	435
150/16	440	376	368	288	281	14,2	2,5	30	946	450
150/25	440	376	368	288	281	14,2	2,5	30	1029	450
185/25	504	432	424	324	317	15.8	2,5	32	1172	480
240/25	593	511	502	373	367	18,2	2,6	35	1374	525
300/25	677	586	577	419	414	20.3	2,8	37	1585	555
400/35	769	676	673	466	470	23,5	3,0	41	2085	615
500/35	868		766	627	603	26,3	3,2	44	2438	660

6/10 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant						
(mm²)	In linie distantat (A)	In linie lipit (A)	Trefla (A)	In linie distantat (A)	Trefla (A)	Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
50/16	222	189	184	157	152	8,2	3,4	26	626	390
70/16	278	236	230	192	186	9,8	3,4	27	720	405
95/16	338	287	280	229	221	11,4	3,4	29	825	435
120/16	391	332	324	260	252	12,9	3,4	30	926	450
150/16	440	376	368	288	281	14,2	3,4	32	1027	480
150/25	440	376	368	288	281	14,2	3,4	32	1110	480
185/25	504	432	424	324	317	15.8	3,4	33	1250	495
240/25	593	511	502	373	367	18,2	3,4	36	1458	540
300/25	677	586	577	419	414	20.3	3,4	38	1655	570
400/35	769	676	673	466	470	23,5	3,4	42	2130	630
500/35	868		766	627	603	26,3	3,4	44	2462	660

8,7/15 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant						
(mm²)	In linie distantat (A)	In linie lipit (A)	Trefla (A)	In linie distantat (A)	Trefla (A)	Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
50/16	222	189	184	157	152	8,2	4,5	28	702	420
70/16	278	236	230	192	186	9,8	4,5	30	807	450
95/16	338	287	280	229	221	11,4	4,5	31	912	465
120/16	391	332	324	260	252	12,9	4,5	33	1025	495
150/16	440	376	368	288	281	14,2	4,5	34	1122	510
150/25	440	376	368	288	281	14,2	4,5	34	1205	510
185/25	504	432	424	324	317	15.8	4,5	36	1360	540
240/25	593	511	502	373	367	18,2	4,5	38	1577	570
300/25	677	586	577	419	414	20.3	4,5	40	1771	600
400/35	769	676	673	466	470	23,5	4,5	44	2267	660
500/35	868		766	627	603	26,3	4,5	47	2610	705

A2XS(FL)2Y

12/20 kV

Sect. nom. (mm²)	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
	In linie distantat (A)	In linie lipit (A)	Trefla (A)	In linie distantat (A)	Trefla (A)					
50/16	222	189	184	157	152	8,2	5,5	30	785	450
70/16	278	236	230	192	186	9,8	5,5	32	896	480
95/16	338	287	280	229	221	11,4	5,5	33	1005	495
120/16	391	332	324	260	252	12,9	5,5	35	1123	525
150/16	440	376	368	288	281	14,2	5,5	36	1225	540
150/25	440	376	368	288	281	14,2	5,5	36	1306	540
185/25	504	432	424	324	317	15,8	5,5	38	1468	570
240/25	593	511	502	373	367	18,2	5,5	40	1682	600
300/25	677	586	577	419	414	20,3	5,5	43	1893	645
400/35	769	676	673	466	470	23,5	5,5	46	2388	690
500/35	868		766	627	603	26,3	5,5	49	2740	735

18/30 kV

Sect. nom. (mm²)	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
	In linie distantat (A)	In linie lipit (A)	Trefla (A)	In linie distantat (A)	Trefla (A)					
50/16	222	189	184	157	152	8,2	8,0	35	1015	525
70/16	278	236	230	192	186	9,9	8,0	37	1131	555
95/16	338	287	280	229	221	11,6	8,0	39	1262	585
120/16	391	332	324	260	252	13,1	8,0	40	1382	600
150/16	440	376	368	288	281	14,2	8,0	41	1505	615
150/25	440	376	368	288	281	14,2	8,0	41	1586	615
185/25	504	432	424	324	317	15,8	8,0	43	1750	645
240/25	593	511	502	373	367	18,2	8,0	46	1995	690
300/25	677	586	577	419	414	20,3	8,0	48	2222	720
400/35	769	676	673	466	470	23,5	8,0	51	2743	765
500/35	868		766	627	603	26,3	8,0	54	3120	810

CONDITII DE POZARE :

Tip pozare	Rezistivitate termica sol (K . m/W)	Adancimea de pozare (m)	Temperatura (C)	Distanta fata de perete	Distanta dintre faze
In aer	-	-	30	>= 0.5 x D	D
In pamant	1,5	0,8	20	-	-

Cabluri cu izolatie din dielectrici masivi extrudati	Cabluri de medie tensiune monofazate cu conductoare de aluminiu, izolate cu XLPE si manta de PE
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

A2XS2Y

CEI IEC 60502-2 : 2005

Utilizare: Cabluri de medie tensiune monofazate pentru instalatii industriale si centrale electrice pozate in pamant.

CONSTRUCTIE

- **CONDUCTOR :** Cf. IEC 60228 + A1

Aluminiu
Rotund unifilar - RE / multifilar –RM

- **SEMICONDUCTOR INTERIOR**

Elastomer extrudat lipit ferm de izolatie

- **IZOLATIE :**

Polietilena reticulabila – XLPE, extrudata

- **SEMICONDUCTOR EXTERIOR :**

Elastomer extrudat lipit ferm de izolator sau usor jupuibil
+ strat de benzi semiconductoare aplicate elicoidal sau longitudinal

- **ECRAN :**

Fire de cupru, aplicate elicoidal + contraspira din banda de cupru

- **STRAT SEPARARE :**

Benzi nemetalice, aplicate elicoidal sau longitudinal cu suprapunere

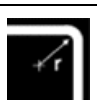
- **MANTA EXTERIOARA :**

Polietilena - PE, culoare neagra

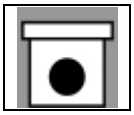
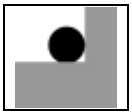
Marcare : Ex : “PRYSMIAN A2XS2Y 1x150/16 12/20 kV (an) (metraj)”

RE :
RM :

CARACTERISTICI

							
Temp. max. conductor, regim normal	Temp. max. conductor, scurtcirc, 5 s	Rezistenta la radiatii UV	Rigide	Raza min. curbura, la pozare r = 15 x D			ELECTRICA Romania

CONDITII DE INSTALARE

				
Temp. min. la pozare : -15°C	In pamant , protejat	In tuburi	In canale	In aer liber

PRYSMIAN CABLES & SYSTEMS

SLATINA

A2XS2Y

3,6/6 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla					
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(mm)
50/16	222	189	184	157	152	8,2	2,5	22	525	330
70/16	278	236	230	192	186	9,8	2,5	24	610	360
95/16	338	287	280	229	221	11,4	2,5	26	710	390
120/16	391	332	324	260	252	12,9	2,5	27	811	405
150/16	440	376	368	288	281	14,2	2,5	29	900	435
150/25	440	376	368	288	281	14,2	2,5	29	985	435
185/25	504	432	424	324	317	15.8	2,5	30	1125	450
240/25	593	511	502	373	367	18,2	2,6	33	1320	495
300/25	677	586	577	419	414	20.3	2,8	36	1530	540
400/35	769	676	673	466	470	23,5	3,0	39	2020	585
500/35	868		766	627	603	26,3	3,2	43	2370	645

6/10 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla					
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(mm)
50/16	222	189	184	157	152	8,2	3,4	24	585	360
70/16	278	236	230	192	186	9,8	3,4	26	675	390
95/16	338	287	280	229	221	11,4	3,4	28	780	420
120/16	391	332	324	260	252	12,9	3,4	29	880	435
150/16	440	376	368	288	281	14,2	3,4	30	976	450
150/25	440	376	368	288	281	14,2	3,4	30	1060	450
185/25	504	432	424	324	317	15.8	3,4	32	1200	480
240/25	593	511	502	373	367	18,2	3,4	35	1405	525
300/25	677	586	577	419	414	20.3	3,4	37	1595	555
400/35	769	676	673	466	470	23,5	3,4	40	2065	600
500/35	868		766	627	603	26,3	3,4	43	2395	645

8,7/15 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla					
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(mm)
50/16	222	189	184	157	152	8,2	4,5	27	660	405
70/16	278	236	230	192	186	9,8	4,5	28	760	420
95/16	338	287	280	229	221	11,4	4,5	30	865	450
120/16	391	332	324	260	252	12,9	4,5	31	975	645
150/16	440	376	368	288	281	14,2	4,5	33	1070	495
150/25	440	376	368	288	281	14,2	4,5	33	1150	495
185/25	504	432	424	324	317	15.8	4,5	35	1305	525
240/25	593	511	502	373	367	18,2	4,5	37	1516	555
300/25	677	586	577	419	414	20.3	4,5	39	1710	585
400/35	769	676	673	466	470	23,5	4,5	43	2200	645
500/35	868		766	627	603	26,3	4,5	46	2540	690

A2XS2Y

12/20 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla					
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(mm)
50/16	222	189	184	157	152	8,2	5,5	29	735	435
70/16	278	236	230	192	186	9,8	5,5	31	845	465
95/16	338	287	280	229	221	11,4	5,5	32	955	480
120/16	391	332	324	260	252	12,9	5,5	34	1070	510
150/16	440	376	368	288	281	14,2	5,5	35	1170	525
150/25	440	376	368	288	281	14,2	5,5	35	1250	525
185/25	504	432	424	324	317	15,8	5,5	37	1410	555
240/25	593	511	502	373	367	18,2	5,5	39	1620	585
300/25	677	586	577	419	414	20,3	5,5	41	1826	615
400/35	769	676	673	466	470	23,5	5,5	45	2320	675
500/35	868		766	627	603	26,3	5,5	48	2665	720

18/30 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla					
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(mm)
50/16	222	189	184	157	152	8,2	8,0	34	960	510
70/16	278	236	230	192	186	9,8	8,0	36	1075	540
95/16	338	287	280	229	221	11,4	8,0	37	1205	555
120/16	391	332	324	260	252	12,9	8,0	39	1320	585
150/16	440	376	368	288	281	14,2	8,0	40	1440	600
150/25	440	376	368	288	281	14,2	8,0	40	1525	600
185/25	504	432	424	324	317	15,8	8,0	42	1685	630
240/25	593	511	502	373	367	18,2	8,0	45	19120	675
300/25	677	586	577	419	414	20,3	8,0	47	2150	705
400/35	769	676	673	466	470	23,5	8,0	50	2665	750
500/35	868		766	627	603	26,3	8,0	53	3040	795

CONDITII DE POZARE :

Tip pozare	Rezistivitate termica sol (K . m/W)	Adancimea de pozare (m)	Temperatura (C)	Distanta fata de perete	Distanta dintre faze
In aer	-	-	30	>= 0.5 x D	D
In pamant	1,5	0,8	20	-	-

Cabluri cu izolatie din dielectrici masivi extrudati	Cabluri trifazate cu conductoare de aluminiu, cu izolatie de XLPE, cu ecran individual de fire de cupru, si manta de PVC
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

A2XSEY

CEI IEC 60502-2 : 2005

Utilizare : in instalatii industriale , centrale electrice si sisteme de distributie, acolo unde apar solicitari termice mari

CONSTRUCTIE

- **CONDUCTOR :** Cf. IEC 60228 + A1

Aluminiu
Rotund multifilar - RM

- **SEMICONDUCTOR INTERIOR :**

Elastomer extrudat lipit ferm de izolatie

- **IZOLATIE :**

Polietilena reticulabila – XLPE, extrudata

- **SEMICONDUCTOR EXTERIOR :**

Elastomer extrudat , lipit ferm de izolator sau usor jupuibil
+ strat de benzi semiconductoare aplicate elicoidal sau longitudinal

- **ECRAN :**

Fire de cupru, aplicate elicoidal + contraspira din banda de cupru

- **STRAT SEPARARE INTRE ECRAN SI INVELIS :**

Benzi nemetalice, aplicate elicoidal sau longitudinal cu suprapunere

- **INVELIS COMUN SAU UMPLUTURA :**

Cauciuc sau policlorura de vinil – extrudat, sau funii de umplutura (ex: PP)

- **MANTA EXTERIOARA :**

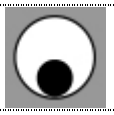
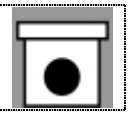
Policlorura de vinil extrudat, culoare rosie
Marcare :
"PRYSMIAN A2XSEY 3x150/25 6/10 kV (an) (metraj)"

RE :
RM :

CARACTERISTICI

								
Temp. max. conductor, regim normal	Temp. max. conductor, scurtcirc, 5 s	Rezistenta la propagare flacara IEC 332-1	Rezistenta la radiatii UV	Rigide	Raza min. curbura, la pozare r = 12 x D			ELECTRICA Romania

CONDITII DE INSTALARE

				
Temp. min. la pozare : -5°C	In pamant , protejat	In tuburi	In canale	In aer liber

PRYSMIAN CABLES & SYSTEMS

SLATINA

Cabluri cu izolatie din dielectrici masivi extrudati	Cabluri trifazate cu conductoare de aluminiu, cu izolatie de XLPE, cu ecran individual de fire de cupru, si manta de PVC
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

A2XSEY

3.6/6 kV

Sectiune nom. (mm²)	Pozare in aer (A)	Pozare direct in pamant (A)	Pozare in pamant in teava (A)	Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
3 x 50/16	158	140	122	8,2	3,0	46	2000	552
3 x 70/16	196	171	150	9,8	3,0	50	2295	600
3 x 95/16	236	203	179	11,4	3,0	53	2700	636
3 x 120/16	273	232	205	12,9	3,0	56	3024	672
3 x 150/16	309	260	231	14,2	3,0	59	3400	708
3 x 150/25	309	260	231	14,2	3,0	59	3647	708
3 x 185/25	355	294	262	15,8	3,0	63	4100	756
3 x 240/25	415	340	305	18,2	3,0	69	4870	828
3 x 300/25	475	384	346	20,3	3,0	75	5655	900

6/10 kV

Sectiune nom. (mm²)	Pozare in aer (A)	Pozare direct in pamant (A)	Pozare in pamant in teava (A)	Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
3 x 50/16	158	140	122	8,2	3,4	50	2220	600
3 x 70/16	196	171	150	9,8	3,4	54	2591	648
3 x 95/16	236	203	179	11,4	3,4	57	2932	684
3 x 120/16	273	232	205	12,9	3,4	60	3343	720
3 x 150/16	309	260	231	14,2	3,4	63	3661	756
3 x 150/25	309	260	231	14,2	3,4	63	3908	756
3 x 185/25	355	294	262	15,8	3,4	67	4456	804
3 x 240/25	415	340	305	18,2	3,4	73	5142	876
3 x 300/25	475	384	346	20,3	3,4	77	5850	924

12/20 kV

Sectiune nom. (mm²)	Pozare in aer (A)	Pozare direct in pamant (A)	Pozare in pamant in teava (A)	Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
3 x 50/16	158	140	122	8,2	5,5	60	2912	720
3 x 70/16	196	171	150	9,8	5,5	63	3267	756
3 x 95/16	236	203	179	11,4	5,5	66	3716	792
3 x 120/16	273	232	205	12,9	5,5	70	4091	840
3 x 150/16	309	260	231	14,2	5,5	73	4441	876
3 x 150/25	309	260	231	14,2	5,5	73	4687	876
3 x 185/25	355	294	262	15,8	5,5	77	5285	924
3 x 240/25	415	340	305	18,2	5,5	82	6030	984
3 x 300/25	475	384	346	20,3	5,5	87	6880	1044

CONDITII DE POZARE :

Tip pozare	Rezistivitate termica sol (K . m/W)	Adancimea de pozare (m)	Temperatura (C)	Distanta fata de perete
In aer	-	-	30	>= 0.3 x D
In pamant	1,5	0,8	20	-

PRYSMIAN CABLES & SYSTEMS

SLATINA

Cabluri cu izolatie din dielectrici masivi extrudati	Cabluri trifazate cu conductoare de aluminiu, cu izolatie de XLPE, cu ecran individual de fire de cupru, si manta de PVC
1.8/3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

A2XSEYAbY

CEI IEC 60502-2 : 2005

Utilizare : in instalatii industriale, centrale electrice si sisteme de distributie subterane

CONSTRUCTIE

- **CONDUCTOR :** cf. IEC 60228 + A1

Aluminiu : Rotund multifilar - RM

- **SEMICONDUCTOR INTERIOR :**

Elastomer extrudat, lipit ferm de izolatie

- **IZOLATIE :**

Polietilena reticulabila – XLPE, extrudata

- **STRAT SEMICONDUCTOR EXTERIOR :**

Elastomer extrudat , lipit ferm de izolator sau usor jupuibil
+ strat de benzi semiconductoare aplicate elicoidal sau longitudinal

- **ECRAN :**

Fire de cupru, aplicate elicoidal + contraspira din banda de cupru

- **STRAT SEPARARE :**

Benzi nemetalice, aplicate elicoidal sau longitudinal cu suprapunere

- **INVELIS COMUN SAU UMPLUTURA :**

Policlorura de vinil – extrudata, sau funii de umplutura (ex: PP)

- **MANTA INTERIOARA :**

Policlorura de vinil – extrudata

- **ARMATURA :**

Benzi metalice din otel

- **MANTA EXTERIOARA :**

Policlorura de vinil, culoare rosie
Marcare : Ex : "PRYSMIAN A2XSEYAbY 3x150/25 6/10 kV (an) (metraj)"

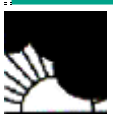
RE : ◯
RM : ⬢

CARACTERISTICI

Temp. max. conductor, regim normal

Temp. max. conductor, scurtcirc, 5 s


Rezistenta la propagare flacara IEC 332-1


Rezistenta la radiatii UV

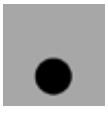

Rigide


Raza min. curbura, la pozare r = 12 x D


ELECTRICA Romania

CONDITII DE INSTALARE


Temp. min. la pozare : -5°C


In pamant


In tuburi


In canale


In aer liber

PRYSMIAN CABLES & SYSTEMS SLATINA

Cabluri cu izolatie din dielectrici masivi extrudati	Cabluri trifazate cu conductoare de aluminiu, cu izolatie de XLPE, cu ecran individual de fire de cupru, si manta de PVC
1.8/3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

A2XSEYAbY

3,6/6 kV

Sectiune nom. (mm²)	Pozare in aer (A)	Pozare direct in pamant (A)	Pozare in pamant in teava (A)	Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
3 x 50/16	159	140	123	8,2	3,0	49	2915	588
3 x 70/16	196	171	150	9,8	3,0	53	3300	636
3 x 95/16	238	204	180	11,4	3,0	57	3760	684
3 x 120/16	274	232	206	12,9	3,0	60	4145	720
3 x 150/16	309	259	231	14,2	3,0	63	4580	756
3 x 150/25	309	259	231	14,2	3,0	63	4825	756
3 x 185/25	354	293	262	15,8	3,0	67	5350	804
3 x 240/25	415	338	304	18,2	3,0	73	6230	876
3 x 300/25	472	380	343	20.3	3,0	77	7070	924
3 x 400/35	545	432	393	23,5	3,0	88	9690	1056

6/10 kV

Sectiune nom. (mm²)	Pozare in aer (A)	Pozare direct in pamant (A)	Pozare in pamant in teava (A)	Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
3 x 50/16	159	140	123	8,2	3,4	54	3220	648
3 x 70/16	196	171	150	9,8	3,4	57	3665	684
3 x 95/16	238	204	180	11,4	3,4	61	4070	732
3 x 120/16	274	232	206	12,9	3,4	64	4545	768
3 x 150/16	309	259	231	14,2	3,4	67	4915	804
3 x 150/25	309	259	231	14,2	3,4	67	5160	804
3 x 185/25	354	293	262	15,8	3,4	71	5815	852
3 x 240/25	415	338	304	18,2	3,4	76	6565	912
3 x 300/25	472	380	343	20.3	3,4	80	7305	960
3 x 400/35	545	432	393	23,5	3,4	89	10065	1068

12/20 kV

Sectiune nom. (mm²)	Pozare in aer (A)	Pozare direct in pamant (A)	Pozare in pamant in teava (A)	Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
3 x 50/16	159	140	123	8,2	5,5	63	4-95	756
3 x 70/16	196	171	150	9,8	5,5	67	4520	804
3 x 95/16	238	204	180	11,4	5,5	70	5045	840
3 x 120/16	274	232	206	12,9	5,5	74	5478	888
3 x 150/16	309	259	231	14,2	5,5	77	5895	924
3 x 150/25	309	259	231	14,2	5,5	77	6140	924
3 x 185/25	354	293	262	15,8	5,5	80	6740	960
3 x 240/25	415	338	304	18,2	5,5	87	8840	1044
3 x 300/25	472	380	343	20.3	5,5	92	9420	1104
3 x 400/35	545	432	393	23,5	5,5	63	11255	756

CONDITII DE POZARE :

Tip pozare	Rezistivitate termica sol (K . m/W)	Adancimea de pozare (m)	Temperatura (C)	Distanta fata de perete
In aer	-	-	30	>= 0.3 x D
In pamant	1,5	0,8	20	-

PRYSMIAN CABLES & SYSTEMS

SLATINA

Cabluri cu izolatie din dielectrici masivi extrudati	Cabluri de medie tensiune monofazate cu conductoare de aluminiu, izolate cu XLPE si manta de PVC
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

A2XSY

CEI IEC 60502-2 : 2005

Utilizare: Cabluri de medie tensiune monofazate pentru instalatii industriale si centrale electrice pozate in pamant, si acolo unde mantaua de PVC nu este atacata de agenti corozivi (ex: acetona, ciclohexanona)

CONSTRUCTIE

- **CONDUCTOR :** Cf. IEC 60228 + A1

Aluminiu
Rotund unifilar - RE / multifilar –RM

- **SEMICONDUCTOR INTERIOR**

Elastomer extrudat lipit ferm de izolatie

- **IZOLATIE :**

Polietilena reticulabila – XLPE, extrudata

- **SEMICONDUCTOR EXTERIOR :**

Elastomer extrudat lipit ferm de izolator sau usor jupuibil
+ strat de benzi semiconductoare aplicate elicoidal sau longitudinal

- **ECRAN :**

Fire de cupru, aplicate elicoidal + contraspira din banda de cupru

- **STRAT SEPARARE :**

Benzi nemetalice, aplicate elicoidal sau longitudinal cu suprapunere

- **MANTA EXTERIOARA :**

Policlorura de vinil - PVC, culoare rosie

Marcare : Ex : “PRYSMIAN A2XSY 1x150/16 12/20 kV (an) (metraj)”

RE : ○
RM : ◉

CARACTERISTICI

90°C	250°C						TEST	
Temp. max. conductor, regim normal	Temp. max. conductor, scurtcirc, 5 s	Rezistenta la propagare flacara IEC 332-1	Rezistenta la radiatii UV	Rigide	Raza min. curbura, la pozare r = 15 x D			ELECTRICA Romania

CONDITII DE INSTALARE

Temp. min. la pozare : -5°C	In pamant , protejat	In tuburi	In canale	In aer liber

PRYSMIAN CABLES & SYSTEMS

SLATINA

A2XSY

3,6/6 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla					
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(mm)
50/16	222	189	184	157	152	8,2	2,5	22	590	330
70/16	278	236	230	192	186	9,8	2,5	24	680	360
95/16	338	287	280	229	221	11,4	2,5	26	785	390
120/16	391	332	324	260	252	12,9	2,5	27	900	405
150/16	440	376	368	288	281	14,2	2,5	29	990	435
150/25	440	376	368	288	281	14,2	2,5	29	1070	435
185/25	504	432	424	324	317	15.8	2,5	30	1220	450
240/25	593	511	502	373	367	18,2	2,6	33	1430	495
300/25	677	586	577	419	414	20.3	2,8	36	1650	540
400/35	769	676	673	466	470	23,5	3,0	39	2170	585
500/35	868		766	627	603	26,3	3,2	43	2540	645

6/10 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla					
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(mm)
50/16	222	189	184	157	152	8,2	3,4	24	655	360
70/16	278	236	230	192	186	9,8	3,4	26	751	390
95/16	338	287	280	229	221	11,4	3,4	28	865	420
120/16	391	332	324	260	252	12,9	3,4	29	970	435
150/16	440	376	368	288	281	14,2	3,4	30	1075	450
150/25	440	376	368	288	281	14,2	3,4	30	1160	450
185/25	504	432	424	324	317	15.8	3,4	32	1305	480
240/25	593	511	502	373	367	18,2	3,4	35	1520	525
300/25	677	586	577	419	414	20.3	3,4	37	1730	555
400/35	769	676	673	466	470	23,5	3,4	40	2215	600
500/35	868		766	627	603	26,3	3,4	43	2565	645

8,7/15 kV

Sect. nom.	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox.	Grosime izolatie nom.	Diametru exterior aprox.	Greutate cablu aprox.	Raza min. curbura
	In linie distantat	In linie lipit	Trefla	In linie distantat	Trefla					
(mm²)	(A)	(A)	(A)	(A)	(A)	(mm)	(mm)	(mm)	(kg/km)	(mm)
50/16	222	189	184	157	152	8,2	4,5	27	735	405
70/16	278	236	230	192	186	9,8	4,5	28	850	420
95/16	338	287	280	229	221	11,4	4,5	30	955	450
120/16	391	332	324	260	252	12,9	4,5	31	1075	645
150/16	440	376	368	288	281	14,2	4,5	33	1175	495
150/25	440	376	368	288	281	14,2	4,5	33	1260	495
185/25	504	432	424	324	317	15.8	4,5	35	1425	525
240/25	593	511	502	373	367	18,2	4,5	37	1650	555
300/25	677	586	577	419	414	20.3	4,5	39	1850	585
400/35	769	676	673	466	470	23,5	4,5	43	2365	645
500/35	868		766	627	603	26,3	4,5	46	2725	690

A2XSY

12/20 kV

Sect. nom. (mm²)	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
	In linie distantat (A)	In linie lipit (A)	Trefla (A)	In linie distantat (A)	Trefla (A)					
50/16	222	189	184	157	152	8,2	5,5	29	825	435
70/16	278	236	230	192	186	9,8	5,5	31	945	465
95/16	338	287	280	229	221	11,4	5,5	32	1060	480
120/16	391	332	324	260	252	12,9	5,5	34	1185	510
150/16	440	376	368	288	281	14,2	5,5	35	1286	525
150/25	440	376	368	288	281	14,2	5,5	35	1370	525
185/25	504	432	424	324	317	15,8	5,5	37	1540	555
240/25	593	511	502	373	367	18,2	5,5	39	1760	585
300/25	677	586	577	419	414	20,3	5,5	41	1985	615
400/35	769	676	673	466	470	23,5	5,5	45	2495	675
500/35	868		766	627	603	26,3	5,5	48	2860	720

18/30 kV

Sect. nom. (mm²)	Pozare in aer			Pozare direct in pamant		Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Raza min. curbura (mm)
	In linie distantat (A)	In linie lipit (A)	Trefla (A)	In linie distantat (A)	Trefla (A)					
50/16	222	189	184	157	152	8,2	8,0	34	1075	510
70/16	278	236	230	192	186	9,8	8,0	36	1196	540
95/16	338	287	280	229	221	11,4	8,0	37	1335	555
120/16	391	332	324	260	252	12,9	8,0	39	1460	585
150/16	440	376	368	288	281	14,2	8,0	40	1590	600
150/25	440	376	368	288	281	14,2	8,0	40	1675	600
185/25	504	432	424	324	317	15,8	8,0	42	1841	630
240/25	593	511	502	373	367	18,2	8,0	45	2100	675
300/25	677	586	577	419	414	20,3	8,0	47	2340	705
400/35	769	676	673	466	470	23,5	8,0	50	2876	750
500/35	868		766	627	603	26,3	8,0	53	3270	795

CONDITII DE POZARE :

Tip pozare	Rezistivitate termica sol (K. m/W)	Adancimea de pozare (m)	Temperatura (C)	Distanta fata de perete	Distanta faze
In aer	-	-	30	>= 0.5 x D	D
In pamant	1,5	0,8	20	-	-

Cabluri cu izolatie din dielectrici masivi extrudati	Cabluri de medie tensiune trifazate cu conductoare de aluminiu, cu izolatie si manta de PVC, armate
3.6/6 kV	PRYSMIAN CABLES & SYSTEMS

ACYEAbY

CEI IEC 60502-2 : 2005

Utilizare: Cabluri de medie tensiune multi-fazate pentru instalatii industriale, centrale electrice si sisteme de distributie subterane

CONSTRUCTIE

- **CONDUCTOR :** cf. IEC 228 + A1

Aluminiu
Rotund unifilar - RE / multifilar –RM sau Sector unifilar – SE / multifilar -SM

- **IZOLATIE :**

Policlorura de vinil - PVC, culoare naturala

- **INVELIS COMUN :**

Extrudat sau din benzi nemetalice aplicate elicoidal cu suprapunere

- **ECRAN :**

Banda cupru aplicata elicoidal cu suprapunere

- **STRAT SEPARARE :**

Extrudat sau din benzi nemetalice aplicate elicoidal cu suprapunere

- **ARMATURA :**

Benzi metalice din otel, aplicate elicoidal

- **MANTA EXTERIOARA :**

Policlorura de vinil - PVC, culoare rosie
Marcare : Ex : “PRYSMIAN ACYEAbY 3x150 3.6/6 kV (an) (metraj)”

RE :
RM :
SM :

CARACTERISTICI

70°C	160°C				r		TEST	Cert
Temp. max. conductor, regim normal	Temp. max. conductor, scurtcirc, 5 s	Rezistenta la propagare flacara, cf. IEC 332-1	Rezistenta la radiatii UV	Rigide	Raza min. curbura, la pozare r = 12 x D			ELECTRICA Romania

CONDITII DE INSTALARE

Temp. min. la pozare : -5°C	In pamant	In tuburi	In canale	In aer liber	In beton	In apa

PRYSMIAN CABLES & SYSTEMS SLATINA

Cabluri cu izolatie din dielectrici masivi extrudati	Cabluri de medie tensiune trifazate cu conductoare de aluminiu, cu izolatie si manta de PVC, armate
3.6/6 kV	PRYSMIAN CABLES & SYSTEMS

ACYEAbY

Sectiune nom. (mm²)	Rez. electr. in cc 20 °C (Ohm/km)	Rez. electr. in ca 70 °C (Ohm/km)	Pozare in aer[1)] (A)	Pozare direct in pamant[2)] (A)	Pozare in pamant, in teava (A)	Diam. cond. aprox. (mm)	Gros. izolatie nom. (mm)	Diam. exterior aprox. (mm)	Greut. cablu aprox. (kg/km)	Raza de curbura min. (mm)
3 x 25RE	1,200	1,440	111	100	87	6,0	3,4	37	2065	444
3 x 35RE	0,868	1,046	133	119	104	7,1	3,4	39	2280	468
3 x 50SE	0,641	0,770	159	140	123	8,2	3,4	39	2230	468
3 x 70SE	0,443	0,533	196	171	150	9,8	3,4	43	2595	516
3 x 95SE	0,320	0,385	238	204	180	11,4	3,4	45	3041	540
3 x 120SE	0,253	0,305	274	232	206	12,9	3,4	48	3450	576
3 x 150SM	0,206	0,248	309	259	231	14,2	3,4	53	4050	636
3 x 185SM	0,164	0,198	354	293	262	15.8	3,4	56	4595	672
3 x 240SM	0,125	0,152	415	338	304	18,2	3,4	60	5445	720

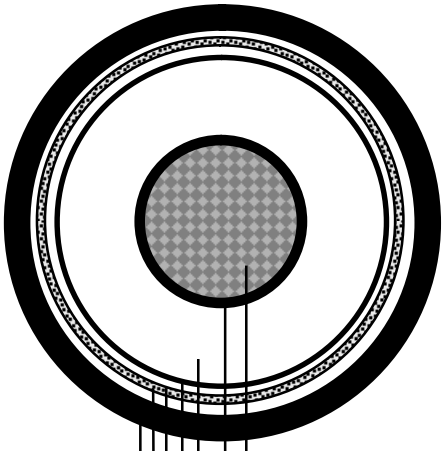
1) si 2) **CONDITII DE POZARE :**

Tip pozare	Rezistivitate termica sol (1 K m/W)	Adancimea de pozare (m)	Temperatura (C)	Factor incarcare (-)
In aer	-	-	30	1.0
In pamant	1,5	0,8	20	0,7

PRYSMIAN CABLES & SYSTEMS SLATINA

ARE4H5RX / ARE4H5EX 3x(1x…), 12/20 kV
DC 4385 RO, Decembrie 2007
DC 4385 Rev 2, del Giugno 2008

I. *CONSTRUCTIE FAZE INDIVIDUALE*:



Conductor (Aluminiu)

Strat Semicon (Ecran Conductor)

Izolatie (XLPE)

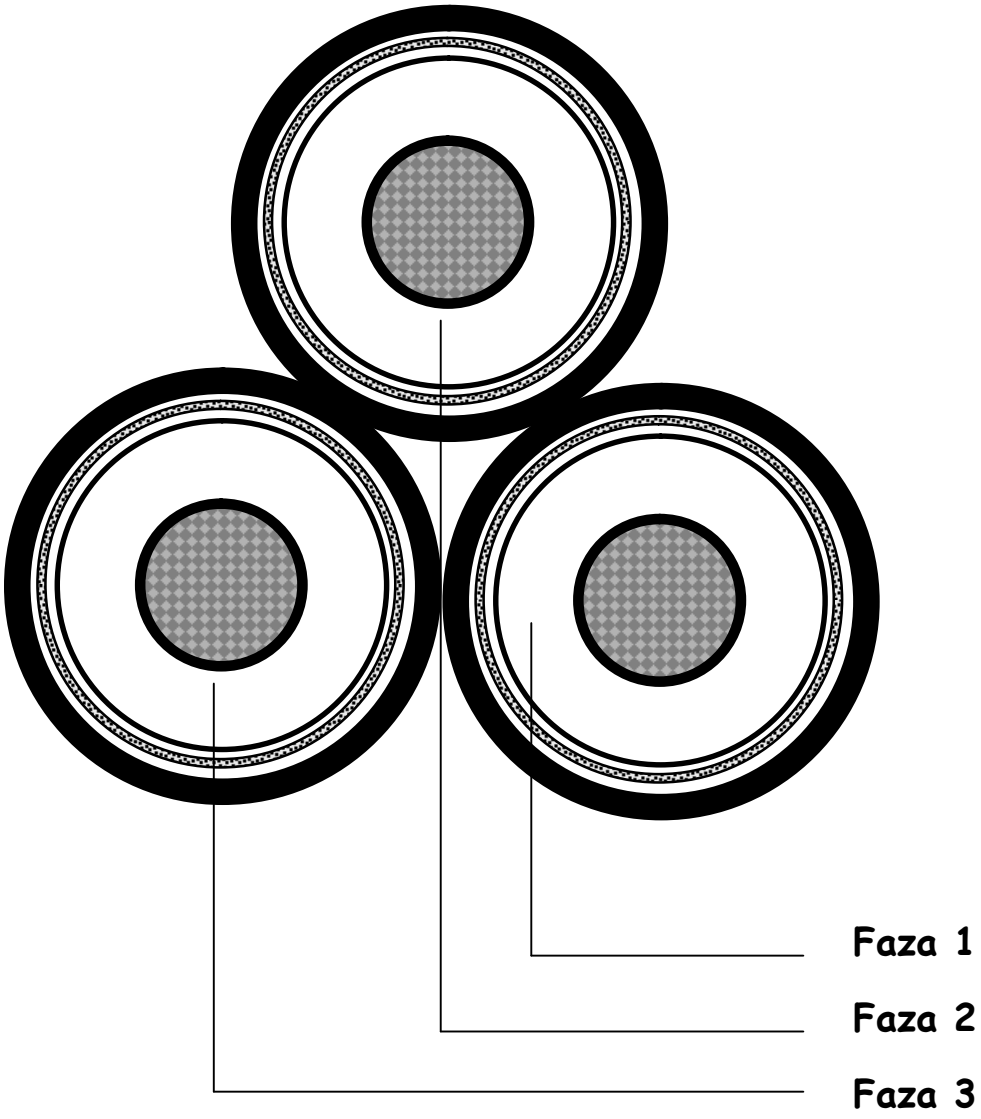
Strat Semicon (Ecran Izolatie)

Strat din banda gonflabila semiconductoare

Ecran metalic (banda aluminiu)

Invelis Protector PE, culoare rosie

II. *CONSTRUCTIE CABLU FINIT*:



Sens de infuniere: **Stanga (S)**
Pas maxim de infuniere: 39 * Dcmax

PRYSMIAN CABLES & SYSTEMS

III. DATE TEHNICE

III.1. FAZE INDIVIDUALE (cf DC 4385 RO):

Sect [mm²]	Nr. fire cond min	Dia cond [mm]	Gros izol min. [mm]	Dia izol m-M [mm]	Sect ecran [mm²]	Gros ecran [mm]	Gros invelis [mm]	Dia faza m-M [mm]	Rez elec cond max [Ω/km]	Rez elec ecran max [Ω/km]
150	19	-0.2 14.1 +0.4	4.3	24-26	30	0.3	2.0	29-34	0.206	1.123
185	30	-0.2 15.8 +0.4	4.3	25-27.2	30	0.3	2.0	30-35	0.164	1.045

III.2. FAZE INDIVIDUALE (cf DC 4385 Rev 2):

Sect [mm²]	Nr. fire cond min	Dia cond [mm]	Gros izol min. [mm]	Dia izol m-M [mm]	Sect ecran [mm²]	Gros ecran [mm]	Gros invelis [mm]	Dia faza m-M [mm]	Rez elec cond max [Ω/km]	Rez elec ecran max [Ω/km]
70	12	-0.1 9.5 +0.4	4.3	19-20.9	24	0.3	2.0	24-30	0.443	1.438

3 x (1 x 185) ramane acelasi ca si la DC 4385 RO

III.3. CABLU FINIT (cf DC 4385 RO):

Nr cond x sectiune [nr x mm²]	Diametru circumsxcris max [mm]	Masa aproximativa [kg/km]	Capacitate de incarcare* [A]	Curent scurtcircuit* [kA]
3 x (1x150)	67	2990	320	19.9
3 x (1x185)	78	3550	360	24

III.4. *CABLU FINIT (cf DC 4385 Rev 2)*:

Nr cond x sectiune [nr x mm^2]	Diametru circumsxcris max [mm]	Masa aproximativa [kg/km]	Capacitate de incarcare* [A]	Curent scurtcircuit* [kA]
3 x (1x70)	65	2150	200	9

3 x (1 x 185) ramane acelasi ca si la DC 4385 RO

Conditii de valabilitate a caracteristicilor electrice:
Capacitatea de incarcare – in regim permanent pentru cablul pus singur si direct in pamant,
La o adancime de 1.2 m, cu temperatura cond. <= 90 °C, temperatura solului 20 °C, si rezistenta termica a solului 1 °C.m/W.

Curentul de scurtcircuit – durata 0.5 sec, temperatura initiala a cond. egala cu temperatura maxima admisa in regim permanent, °90 C, temperatura finala a cond. 250 °C.

IV. *MARCARE*:

Se face in conformitate cu DC 4908 RO, in relief, pe toate fazele, cu un pas de 1 m.

Exemplu de marcare:
ENEL ARE4H5EX 12/20 kV 150 PRYSMIAN S 01 2009 01 FASE 1 FASE 1 [M]

Marcajul metric se va aplica numai pe Faza 1, si nu neaparat pe aceeasi generatoare cu marcajul de identificare.

V. ***NORME SI PRESCRIPTII***:

V.1. Conductoare:_____ SR EN 60228
DC 4385 RO
DC 4385 Rev 2 del Giugno 2008

V.2. Straturile izolatoare,
Ecrane,
Invelisuri protectoare__ SR HD 620 S1 sau
SR CEI 60502-2:2005
DC 4385 RO
DC 4385 Rev 2 del Giugno 2008

V.3. Cablu finit_____ DC 4385 RO
DC 4385 Rev 2 del Giugno 2008

OAC2X

SF 2/1998 & SFS 5791

Utilizare: in retele aeriene de distributie a energiei electrice aflate in zone impadurite, acolo unde este necesara reducerea distantei dintre faze si acolo unde se doreste eliminarea defectelor datorate caderii accidentale a vegetatiei pe retele, pana la momentul curatarii acestora.

CONSTRUCTIE

- **CONDUCTOR :** cf. IEC 60228 + A1

Otel-Aluminiu
35 ... 150 mm² : Rotund multifilar – RM

- **IZOLATIE :**

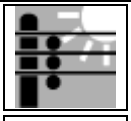
Polietilena reticulabila – XLPE, rezistenta la conturnare, culoare neagra

Marcare :
"PRYSMIAN OAC2X 50/8 20 kV NU ATINGE SUB TENSIUNE (an) (metraj)"

CARACTERISTICI

							
Temp. max. conductor, regim normal	Temp. max. conductor, scurtcirc, 5 s	Rezistenta la radiatii UV	Rigide	Raza min. curbura, la pozare r = 10 x D			ELECTRICA Romania

CONDITII DE INSTALARE

	
Temp. min. la pozare : -5°C	Linii aeriene de medie tensiune

OAC2X

Sectiune nom. (mm^2)	Curent incarcare 1) (A)	Curent scurt-circ, 1s (kA)	Sectiune nom. (mm^2)	Diametru conductor aprox. (mm)	Grosime izolatie nom. (mm)	Diametru exterior aprox. (mm)	Greutate cablu aprox. (kg/km)	Forta rupere conductor calc. (N)
35	200	3,8	35	7,4	2,5	12,4	220	12300
50	250	5,5	50	8,7	2,5	13,7	285	16700
70	300	7,6	70	10,7	2,5	15,7	385	26000
95	370	10,4	95	12,2	2,5	17,2	495	33400
120	420	13,1	120	14,2	2,5	19,2	628	45400
150	485	16,4	150	15,3	2,5	20,3	745	53850

1) Conditii : Temperatura mediului ambiant : 30° C ,
Temperatura conductorului : 80° C ,
Viteza vantului : 1 m/sec ,
Radiatia solara : 1000 W/m^2

Cables with extruded insulation	Power cables with aluminum conductors, XLPE insulation and polyethylene outer sheath
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

XHAKXS

CEI IEC 60502-2 : 2005

Utilisation: Mono-phase medium voltage cables for industrial installations and electrical stations, laid underground.

CONSTRUCTION

- **CONDUCTOR :** acc. to IEC 60228 + A1

Aluminum
Round stranded, class 2 - RM

- **INNER SEMI-CONDUCTIVE LAYER :**

Extruded elastomer, bonded to insulation

- **INSULATION :**

Extruded XLPE

- **OUTER SEMI-CONDUCTIVE LAYER :**

Extruded elastomer, bonded to insulation + semi-conductive tape

- **SCREEN :**

Copper wires + counter-helix tape

- **SEPARATION LAYER :**

Non-metallic tape

- **OUTER SHEATH :**

Polyethylene - PE, black color

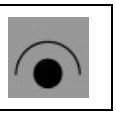
Marking : Ex : "PRYSMIAN XHAKXS 1x150/16RM 8.7/15 kV (year) (meter)"

RE :
RM :

CHARACTERISTICS

							
Max cond temp, normal operation	Max cond temp short-circuit, 5 s	UV resistant	Rigid	Min bending radius at install r = 15 x D			BB-J Poland

LAYING CONDITIONS

				
Min temp at laying -15°C	In ground, protected	In tubs	In chanels	In free air

PRYSMIAN CABLES & SYSTEMS

SLATINA

XHAKXS

3,6/6 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	2,5	22	525	330
70/16	278	236	230	192	186	9,8	2,5	24	610	360
95/16	338	287	280	229	221	11,4	2,5	26	710	390
120/16	391	332	324	260	252	12,9	2,5	27	811	405
150/16	440	376	368	288	281	14,2	2,5	29	900	435
150/25	440	376	368	288	281	14,2	2,5	29	985	435
185/25	504	432	424	324	317	15.8	2,5	30	1125	450
240/25	593	511	502	373	367	18,2	2,6	33	1320	495
300/25	677	586	577	419	414	20.3	2,8	36	1530	540
400/35	769	676	673	466	470	23,5	3,0	39	2020	585
500/35	868		766	627	603	26,3	3,2	43	2370	645

6/10 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	3,4	24	585	360
70/16	278	236	230	192	186	9,8	3,4	26	675	390
95/16	338	287	280	229	221	11,4	3,4	28	780	420
120/16	391	332	324	260	252	12,9	3,4	29	880	435
150/16	440	376	368	288	281	14,2	3,4	30	976	450
150/25	440	376	368	288	281	14,2	3,4	30	1060	450
185/25	504	432	424	324	317	15.8	3,4	32	1200	480
240/25	593	511	502	373	367	18,2	3,4	35	1405	525
300/25	677	586	577	419	414	20.3	3,4	37	1595	555
400/35	769	676	673	466	470	23,5	3,4	40	2065	600
500/35	868		766	627	603	26,3	3,4	43	2395	645

8,7/15 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	4,5	27	660	405
70/16	278	236	230	192	186	9,8	4,5	28	760	420
95/16	338	287	280	229	221	11,4	4,5	30	865	450
120/16	391	332	324	260	252	12,9	4,5	31	975	645
150/16	440	376	368	288	281	14,2	4,5	33	1070	495
150/25	440	376	368	288	281	14,2	4,5	33	1150	495
185/25	504	432	424	324	317	15.8	4,5	35	1305	525
240/25	593	511	502	373	367	18,2	4,5	37	1516	555
300/25	677	586	577	419	414	20.3	4,5	39	1710	585
400/35	769	676	673	466	470	23,5	4,5	43	2200	645
500/35	868		766	627	603	26,3	4,5	46	2540	690

XHAKXS

12/20 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	5,5	29	735	435
70/16	278	236	230	192	186	9,8	5,5	31	845	465
95/16	338	287	280	229	221	11,4	5,5	32	955	480
120/16	391	332	324	260	252	12,9	5,5	34	1070	510
150/16	440	376	368	288	281	14,2	5,5	35	1170	525
150/25	440	376	368	288	281	14,2	5,5	35	1250	525
185/25	504	432	424	324	317	15,8	5,5	37	1410	555
240/25	593	511	502	373	367	18,2	5,5	39	1620	585
300/25	677	586	577	419	414	20,3	5,5	41	1826	615
400/35	769	676	673	466	470	23,5	5,5	45	2320	675
500/35	868		766	627	603	26,3	5,5	48	2665	720

18/30 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	8,0	34	960	510
70/16	278	236	230	192	186	9,8	8,0	36	1075	540
95/16	338	287	280	229	221	11,4	8,0	37	1205	555
120/16	391	332	324	260	252	12,9	8,0	39	1320	585
150/16	440	376	368	288	281	14,2	8,0	40	1440	600
150/25	440	376	368	288	281	14,2	8,0	40	1525	600
185/25	504	432	424	324	317	15,8	8,0	42	1685	630
240/25	593	511	502	373	367	18,2	8,0	45	19120	675
300/25	677	586	577	419	414	20,3	8,0	47	2150	705
400/35	769	676	673	466	470	23,5	8,0	50	2665	750
500/35	868		766	627	603	26,3	8,0	53	3040	795

LAYING CONDITIONS :

Type of laying	Soil thermal resistivity (K . m/W)	Depth of laying (m)	Temperature (C)	Wall distance	Phases distance
In air	-	-	30	>= 0.5 x D	D
In ground	1,5	0,8	20	-	-

Cables with extruded insulation	Power cables with aluminum conductors, XLPE insulation and polyethylene outer sheath, and longitudinal and transversal protection against water penetration
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

XRUHAKXS

CEI IEC 60502-2 : 2005

Utilisation: Mono-phase medium voltage cables for industrial installations and electrical stations, laid underground, where longitudinal and transversal protection against water penetration is required.

CONSTRUCTION

- **CONDUCTOR :** acc. to IEC 60228 + A1

  Aluminum
  Round stranded, class 2 - RM

- **INNER SEMI-CONDUCTIVE LAYER :**

  Extruded elastomer, bonded to insulation

- **INSULATION :**

  Extruded XLPE

- **OUTER SEMI-CONDUCTIVE LAYER :**

  Extruded elastomer, bonded to insulation + semi-conductive swelling tape

- **SCREEN :**

  Copper wires + counter-helix tape

- **LONGITUDINAL WATER BLOCKING LAYER :**

  Non-conductive swelling tape

- **TRANSVERSAL WATER BLOCKING LAYER :**

  Aluminium tape, both sides coated with copolymer

- **OUTER SHEATH :**

  Polyethylene - PE, black color

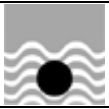
  Marking : "PRYSMIAN XRUHAKXS 1x150/16RM 8.7/15 kV (year) (meter)"

RE : ◯
RM : ⬤

CHARACTERISTICS

							
Max cond temp, normal operation	Max cond temp short-circuit, 5 s	UV resistant	Rigid	Min bending radius at install r = 15 x D			BB-J Poland

LAYING CONDITIONS

					
Min temp at laying -15°C	In ground, protected	In tubs	In chanels	In free air	In water

PRYSMIAN CABLES & SYSTEMS SLATINA

XRUHAKXS

3,6/6 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	2,5	24	564	360
70/16	278	236	230	192	186	9,8	2,5	25	652	375
95/16	338	287	280	229	221	11,4	2,5	27	754	405
120/16	391	332	324	260	252	12,9	2,5	29	857	435
150/16	440	376	368	288	281	14,2	2,5	30	946	450
150/25	440	376	368	288	281	14,2	2,5	30	1029	450
185/25	504	432	424	324	317	15.8	2,5	32	1172	480
240/25	593	511	502	373	367	18,2	2,6	35	1374	525
300/25	677	586	577	419	414	20.3	2,8	37	1585	555
400/35	769	676	673	466	470	23,5	3,0	41	2085	615
500/35	868		766	627	603	26,3	3,2	44	2438	660

6/10 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	3,4	26	626	390
70/16	278	236	230	192	186	9,8	3,4	27	720	405
95/16	338	287	280	229	221	11,4	3,4	29	825	435
120/16	391	332	324	260	252	12,9	3,4	30	926	450
150/16	440	376	368	288	281	14,2	3,4	32	1027	480
150/25	440	376	368	288	281	14,2	3,4	32	1110	480
185/25	504	432	424	324	317	15.8	3,4	33	1250	495
240/25	593	511	502	373	367	18,2	3,4	36	1458	540
300/25	677	586	577	419	414	20.3	3,4	38	1655	570
400/35	769	676	673	466	470	23,5	3,4	42	2130	630
500/35	868		766	627	603	26,3	3,4	44	2462	660

8,7/15 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	4,5	28	702	420
70/16	278	236	230	192	186	9,8	4,5	30	807	450
95/16	338	287	280	229	221	11,4	4,5	31	912	465
120/16	391	332	324	260	252	12,9	4,5	33	1025	495
150/16	440	376	368	288	281	14,2	4,5	34	1122	510
150/25	440	376	368	288	281	14,2	4,5	34	1205	510
185/25	504	432	424	324	317	15.8	4,5	36	1360	540
240/25	593	511	502	373	367	18,2	4,5	38	1577	570
300/25	677	586	577	419	414	20.3	4,5	40	1771	600
400/35	769	676	673	466	470	23,5	4,5	44	2267	660
500/35	868		766	627	603	26,3	4,5	47	2610	705

Cables with extruded insulation	Power cables with aluminum conductors, XLPE insulation and polyethylene outer sheath, and longitudinal and transversal protection against water penetration
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

XRUHAKXS

12/20 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	5,5	30	785	450
70/16	278	236	230	192	186	9,8	5,5	32	896	480
95/16	338	287	280	229	221	11,4	5,5	33	1005	495
120/16	391	332	324	260	252	12,9	5,5	35	1123	525
150/16	440	376	368	288	281	14,2	5,5	36	1225	540
150/25	440	376	368	288	281	14,2	5,5	36	1306	540
185/25	504	432	424	324	317	15,8	5,5	38	1468	570
240/25	593	511	502	373	367	18,2	5,5	40	1682	600
300/25	677	586	577	419	414	20,3	5,5	43	1893	645
400/35	769	676	673	466	470	23,5	5,5	46	2388	690
500/35	868		766	627	603	26,3	5,5	49	2740	735

18/30 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	8,0	35	1015	525
70/16	278	236	230	192	186	9,9	8,0	37	1131	555
95/16	338	287	280	229	221	11,6	8,0	39	1262	585
120/16	391	332	324	260	252	13,1	8,0	40	1382	600
150/16	440	376	368	288	281	14,2	8,0	41	1505	615
150/25	440	376	368	288	281	14,2	8,0	41	1586	615
185/25	504	432	424	324	317	15,8	8,0	43	1750	645
240/25	593	511	502	373	367	18,2	8,0	46	1995	690
300/25	677	586	577	419	414	20,3	8,0	48	2222	720
400/35	769	676	673	466	470	23,5	8,0	51	2743	765
500/35	868		766	627	603	26,3	8,0	54	3120	810

LAYING CONDITIONS :

Type of laying	Soil thermal resistivity (K . m/W)	Depth of laying (m)	Temperature (C)	Wall distance	Phases distance
In air	-	-	30	>= 0.5 x D	D
In ground	1,5	0,8	20	-	-

PRYSMIAN CABLES & SYSTEMS

SLATINA

Cables with extruded insulation	Power cables with aluminum conductors, XLPE insulation and polyethylene outer sheath, and longitudinal protection against water penetration
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

XUHAKXS

CEI IEC 60502-2 : 2005

Utilisation: Mono-phase medium voltage cables for industrial installations and electrical stations, laid underground, where longitudinal protection against water penetration is required.

CONSTRUCTION

- **CONDUCTOR :** acc. to IEC 60228 + A1

Aluminum
Round stranded, class 2 - RM

- **INNER SEMI-CONDUCTIVE LAYER :**

Extruded elastomer, bonded to insulation

- **INSULATION :**

Extruded XLPE

- **OUTER SEMI-CONDUCTIVE LAYER :**

Extruded elastomer, bonded to insulation + semi-conductive swelling tape

- **SCREEN :**

Copper wires + counter-helix tape

- **LONGITUDINAL WATER BLOKING LAYER :**

Non-conductive swelling tape

- **OUTER SHEATH :**

Polyethylene - PE, black color

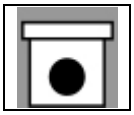
Marking : Ex : “PRYSMIAN XUHAKXS 1x150/16RM 8.7/15 kV (year) (meter)”

RE :
RM :

CHARACTERISTICS

							
Max cond temp, normal operation	Max cond temp short-circuit, 5 s	UV resistant	Rigid	Min bending radius at install r = 15 x D			BB-J Poland

LAYING CONDITIONS

					
Min temp at laying -15°C	In ground, protected	In tubs	In chanels	In free air	In water

PRYSMIAN CABLES & SYSTEMS

SLATINA

Cables with extruded insulation	Power cables with aluminum conductors, XLPE insulation and polyethylene outer sheath, and longitudinal protection against water penetration
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

XUHAKXS

3,6/6 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	2,5	22	525	330
70/16	278	236	230	192	186	9,8	2,5	24	610	360
95/16	338	287	280	229	221	11,4	2,5	26	710	390
120/16	391	332	324	260	252	12,9	2,5	27	811	405
150/16	440	376	368	288	281	14,2	2,5	29	900	435
150/25	440	376	368	288	281	14,2	2,5	29	985	435
185/25	504	432	424	324	317	15.8	2,5	30	1125	450
240/25	593	511	502	373	367	18,2	2,6	33	1320	495
300/25	677	586	577	419	414	20.3	2,8	36	1530	540
400/35	769	676	673	466	470	23,5	3,0	39	2020	585
500/35	868		766	627	603	26,3	3,2	43	2370	645

6/10 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	3,4	24	585	360
70/16	278	236	230	192	186	9,8	3,4	26	675	390
95/16	338	287	280	229	221	11,4	3,4	28	780	420
120/16	391	332	324	260	252	12,9	3,4	29	880	435
150/16	440	376	368	288	281	14,2	3,4	30	976	450
150/25	440	376	368	288	281	14,2	3,4	30	1060	450
185/25	504	432	424	324	317	15.8	3,4	32	1200	480
240/25	593	511	502	373	367	18,2	3,4	35	1405	525
300/25	677	586	577	419	414	20.3	3,4	37	1595	555
400/35	769	676	673	466	470	23,5	3,4	40	2065	600
500/35	868		766	627	603	26,3	3,4	43	2395	645

8,7/15 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	4,5	27	660	405
70/16	278	236	230	192	186	9,8	4,5	28	760	420
95/16	338	287	280	229	221	11,4	4,5	30	865	450
120/16	391	332	324	260	252	12,9	4,5	31	975	645
150/16	440	376	368	288	281	14,2	4,5	33	1070	495
150/25	440	376	368	288	281	14,2	4,5	33	1150	495
185/25	504	432	424	324	317	15.8	4,5	35	1305	525
240/25	593	511	502	373	367	18,2	4,5	37	1516	555
300/25	677	586	577	419	414	20.3	4,5	39	1710	585
400/35	769	676	673	466	470	23,5	4,5	43	2200	645
500/35	868		766	627	603	26,3	4,5	46	2540	690

XUHAKXS

12/20 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	5,5	29	735	435
70/16	278	236	230	192	186	9,8	5,5	31	845	465
95/16	338	287	280	229	221	11,4	5,5	32	955	480
120/16	391	332	324	260	252	12,9	5,5	34	1070	510
150/16	440	376	368	288	281	14,2	5,5	35	1170	525
150/25	440	376	368	288	281	14,2	5,5	35	1250	525
185/25	504	432	424	324	317	15,8	5,5	37	1410	555
240/25	593	511	502	373	367	18,2	5,5	39	1620	585
300/25	677	586	577	419	414	20,3	5,5	41	1826	615
400/35	769	676	673	466	470	23,5	5,5	45	2320	675
500/35	868		766	627	603	26,3	5,5	48	2665	720

18/30 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins. thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	8,0	34	960	510
70/16	278	236	230	192	186	9,8	8,0	36	1075	540
95/16	338	287	280	229	221	11,4	8,0	37	1205	555
120/16	391	332	324	260	252	12,9	8,0	39	1320	585
150/16	440	376	368	288	281	14,2	8,0	40	1440	600
150/25	440	376	368	288	281	14,2	8,0	40	1525	600
185/25	504	432	424	324	317	15,8	8,0	42	1685	630
240/25	593	511	502	373	367	18,2	8,0	45	19120	675
300/25	677	586	577	419	414	20,3	8,0	47	2150	705
400/35	769	676	673	466	470	23,5	8,0	50	2665	750
500/35	868		766	627	603	26,3	8,0	53	3040	795

LAYING CONDITIONS :

Type of laying	Soil thermal resistivity (K . m/W)	Depth of laying (m)	Temperature (C)	Wall distance	Phases distance
In air	-	-	30	>= 0.5 x D	D
In ground	1,5	0,8	20	-	-

Cables with extruded insulation	Power cables with aluminum conductors, XLPE insulation and PVC outer sheath
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

YHAKXS

CEI IEC 60502-2 : 2005

Utilisation: Mono-phase medium voltage cables for industrial installations and electrical stations, laid underground, where outer sheathing of PVC is not damaged by corrosive agents (ex: acetone, ciclo-hexanone).

CONSTRUCTION

- **CONDUCTOR :** acc. to IEC 60228 + A1

Aluminum
Round stranded, class 2 - RM

- **INNER SEMI-CONDUCTIVE LAYER :**

Extruded elastomer, bonded to insulation

- **INSULATION :**

Extruded XLPE

- **OUTER SEMI-CONDUCTIVE LAYER :**

Extruded elastomer, bonded to insulation + semi-conductive tape

- **SCREEN :**

Copper wires + counter-helix tape

- **SEPARATION LAYER :**

Non-metallic tape

- **OUTER SHEATH :**

PVC, red color

Marking : Ex : "PRYSMIAN YHAKXS 1x150/16RM 8.7/15 kV (year) (meter)"

CHARACTERISTICS

Max cond temp, normal operation	Max cond temp short-circuit, 5 s	Fire propagation resistance IEC 332-1	UV resistant	Rigid	Min bending radius at install r = 15 x D			BB-J Poland

LAYING CONDITIONS

Min temp at laying -5°C	In ground, protected	In tube	In channels	In free air

PRYSMIAN CABLES & SYSTEMS

SLATINA

YHAKXS

3,6/6 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	2,5	22	590	330
70/16	278	236	230	192	186	9,8	2,5	24	680	360
95/16	338	287	280	229	221	11,4	2,5	26	785	390
120/16	391	332	324	260	252	12,9	2,5	27	900	405
150/16	440	376	368	288	281	14,2	2,5	29	990	435
150/25	440	376	368	288	281	14,2	2,5	29	1070	435
185/25	504	432	424	324	317	15.8	2,5	30	1220	450
240/25	593	511	502	373	367	18,2	2,6	33	1430	495
300/25	677	586	577	419	414	20.3	2,8	36	1650	540
400/35	769	676	673	466	470	23,5	3,0	39	2170	585
500/35	868		766	627	603	26,3	3,2	43	2540	645

6/10 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	3,4	24	655	360
70/16	278	236	230	192	186	9,8	3,4	26	751	390
95/16	338	287	280	229	221	11,4	3,4	28	865	420
120/16	391	332	324	260	252	12,9	3,4	29	970	435
150/16	440	376	368	288	281	14,2	3,4	30	1075	450
150/25	440	376	368	288	281	14,2	3,4	30	1160	450
185/25	504	432	424	324	317	15.8	3,4	32	1305	480
240/25	593	511	502	373	367	18,2	3,4	35	1520	525
300/25	677	586	577	419	414	20.3	3,4	37	1730	555
400/35	769	676	673	466	470	23,5	3,4	40	2215	600
500/35	868		766	627	603	26,3	3,4	43	2565	645

8,7/15 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	4,5	27	735	405
70/16	278	236	230	192	186	9,8	4,5	28	850	420
95/16	338	287	280	229	221	11,4	4,5	30	955	450
120/16	391	332	324	260	252	12,9	4,5	31	1075	645
150/16	440	376	368	288	281	14,2	4,5	33	1175	495
150/25	440	376	368	288	281	14,2	4,5	33	1260	495
185/25	504	432	424	324	317	15.8	4,5	35	1425	525
240/25	593	511	502	373	367	18,2	4,5	37	1650	555
300/25	677	586	577	419	414	20.3	4,5	39	1850	585
400/35	769	676	673	466	470	23,5	4,5	43	2365	645
500/35	868		766	627	603	26,3	4,5	46	2725	690

Cables with extruded insulation	Power cables with aluminum conductors, XLPE insulation and PVC outer sheath
3 ... 45 kV	PRYSMIAN CABLES & SYSTEMS

YHAKXS

12/20 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	5,5	29	825	435
70/16	278	236	230	192	186	9,8	5,5	31	945	465
95/16	338	287	280	229	221	11,4	5,5	32	1060	480
120/16	391	332	324	260	252	12,9	5,5	34	1185	510
150/16	440	376	368	288	281	14,2	5,5	35	1286	525
150/25	440	376	368	288	281	14,2	5,5	35	1370	525
185/25	504	432	424	324	317	15,8	5,5	37	1540	555
240/25	593	511	502	373	367	18,2	5,5	39	1760	585
300/25	677	586	577	419	414	20,3	5,5	41	1985	615
400/35	769	676	673	466	470	23,5	5,5	45	2495	675
500/35	868		766	627	603	26,3	5,5	48	2860	720

18/30 kV

Cross-section nom (mm²)	Laying in air			Laying direct in ground		Dia conductor aprox. (mm)	Ins thick nom. (mm)	Outer diameter aprox. (mm)	Netto weight aprox. (kg/km)	Min bending radius (mm)
	In line spaced (A)	In line touch (A)	Trefoil (A)	In line spaced (A)	Trefoil (A)					
50/16	222	189	184	157	152	8,2	8,0	34	1075	510
70/16	278	236	230	192	186	9,8	8,0	36	1196	540
95/16	338	287	280	229	221	11,4	8,0	37	1335	555
120/16	391	332	324	260	252	12,9	8,0	39	1460	585
150/16	440	376	368	288	281	14,2	8,0	40	1590	600
150/25	440	376	368	288	281	14,2	8,0	40	1675	600
185/25	504	432	424	324	317	15,8	8,0	42	1841	630
240/25	593	511	502	373	367	18,2	8,0	45	2100	675
300/25	677	586	577	419	414	20,3	8,0	47	2340	705
400/35	769	676	673	466	470	23,5	8,0	50	2876	750
500/35	868		766	627	603	26,3	8,0	53	3270	795

LAYING CONDITIONS:

Type of laying	Soil thermal resistivity (K . m/W)	Depth of laying (m)	Temperature (C)	Wall distance	Phases distance
In air	-	-	30	>= 0.5 x D	D
In ground	1,5	0,8	20	-	-