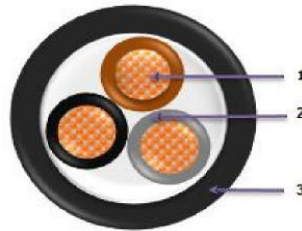


RV-K

XV

CU/XLPE/PVC

600/1000V



### Construction

1. **Conductor:** Plain copper, IEC 60228
2. **Insulation:** XLPE compound  
Core colour:  
Live – brown (L1), Black (L2), Grey (L3)  
Neutral – Blue  
Earth – green/yellow
3. **Sheath:** PVC compound  
Standard colour black

### Technical data

<b>Rated voltage:</b>	600/1000V
<b>Operating temperature:</b>	-15°C to +90°C
<b>Insulation resistance:</b>	≥1000M Ohm*km
<b>AC voltage test:</b>	3500V/5min
<b>Standard:</b>	UNE 21123-2 IEC 60502-1

### Application

Unarmoured power cable for low voltage electrical distribution suitable to install in air, in duct, in trench or on cable tray.

**Cable Marking:** Prysmian RV-K Cable IEC 60502-1  
XLPE/PVC Size Voltage Year (meter mark)

### Cable Performance



Short-circuit Temp.  
+250°C 5 sec



Min. bending radius  
12D



Flame retardant  
EN 60332-1-2

### Laying condition



Max installation temp -5°C



Open air



Buried duct



Duct or cable tray



Buried Trough

 **Construction and Dimensional data:**

No	Conductor cross-section	Thickness of insulation	Class of conductor IEC60228	Max. Outside Diameter	Weight of cable approx.	Max. DC resistance at 20°C
	mm <sup>2</sup>	mm		mm	kg/km	Ω/km
1.	1×1.5	0.7	2	6.5	48	12.1
2.	1×2.5	0.7	2	6.9	62	7.41
3.	1×4	0.7	2	7.7	81	4.61
4.	1×6	0.7	2	8.4	102	3.08
5.	1×10	0.7	2	9.4	146	1.83
6.	1×16	0.7	2	10.5	206	1.15
7.	1×25	0.9	2	12.4	300	0.727
8.	1×35	0.9	2	13.8	431	0.524
9.	1×50	1.0	2	15.3	518	0.387
10.	1×70	1.1	2	17.1	717	0.268
11.	1×95	1.1	2	18.7	990	0.193
12.	1×120	1.2	2	20.9	1207	0.153
13.	1×150	1.4	2	24.2	1450	0.124
14.	1×185	1.6	2	25.9	1800	0.0991
15.	1×240	1.7	2	28.2	2300	0.0754
16.	1×300	1.8	2	31.6	2960	0.0601
17.	1×400	2.0	2	36.8	3989	0.0470
18.	1×500	2.2	2	40.3	4900	0.0366
19.	1×630	2.4	2	46.0	6400	0.0283
1.	2×1.5	0.7	2	11.4	105	12.1
2.	2×2.5	0.7	2	12.9	135	7.41
3.	2×4	0.7	2	13.9	175	4.61
4.	2×6	0.7	2	15.2	230	3.08
5.	2×10	0.7	2	17.6	340	1.83
6.	2×16	0.7	2	19.3	480	1.15
7.	2×25	0.9	2	23.2	700	0.727
8.	2×35	0.9	2	25.1	930	0.524
9.	2×50*	1.0	2	23.0	1000	0.387
10.	2×70*	1.1	2	24.8	1400	0.268
11.	2×95*	1.1	2	28.3	1950	0.193

Note:\*Stranded sector conductor.

No	Conductor Section mm <sup>2</sup>	Thickness of insulation mm	Class of conductor IEC60228	Max. Outside Diameter mm	Weight of cable approx. kg/km	Max. DC resistance at 20°C Ω/km
1.	3×1.5	0.7	2	11.7	135	12.1
2.	3×2.5	0.7	2	13.1	180	7.41
3.	3×4	0.7	2	14.0	225	4.61
4.	3×6	0.7	2	15.4	300	3.08
5.	3×10	0.7	2	17.7	430	1.83
6.	3×16	0.7	2	20.2	630	1.15
7.	3×25	0.9	2	23.9	940	0.727
8.	3×35	0.9	2	26.4	1250	0.524
9.	3×50*	1.0	2	26.8	1500	0.387
10.	3×70*	1.1	2	30.9	2140	0.268
11.	3×95*	1.1	2	35.4	2960	0.193
12.	3×120*	1.2	2	37.2	3760	0.153
13.	3×150*	1.4	2	42.6	4420	0.124
14.	3×185*	1.6	2	46.8	5950	0.0991
15.	3×240*	1.7	2	53.0	7100	0.0754
16.	3×300*	1.8	2	57.2	9300	0.0601
17.	3×400*	2.0	2	66.2	12000	0.0470

1.	4×1.5	0.7	2	12.3	160	12.1
2.	4×2.5	0.7	2	13.6	210	7.41
3.	4×4	0.7	2	14.9	280	4.61
4.	4×6	0.7	2	16.9	380	3.08
5.	4×10	0.7	2	20.3	530	1.83
6.	4×16	0.7	2	21.9	800	1.15
7.	4×25	0.9	2	26.7	1240	0.727
8.	4×35	0.9	2	29.2	1600	0.524
9.	4×50*	1.0	2	30.0	2000	0.387
10.	4×70*	1.1	2	33.8	2800	0.268
11.	4×95*	1.1	2	38.9	4000	0.193
12.	4×120*	1.2	2	44.4	5000	0.153
13.	4×150*	1.4	2	48.4	6100	0.124
14.	4×185*	1.6	2	52.0	7600	0.0991
15.	4×240*	1.7	2	61.2	9500	0.0754
16.	4×300*	1.8	2	67.1	12400	0.0601
17.	4×400*	2.0	2	76.4	16700	0.0470

Note: \*Stranded sector conductor.

No	Conductor cross-section mm <sup>2</sup>	Thickness of insulation mm	Class of conductor IEC60228	Max. Outside Diameter mm	Weight of cable approx. kg/km	Max. DC resistance at 20°C Ω/km
1.	5×2.5	0.7	2	16.8	280	7.41
2.	5×4	0.7	2	17.7	378	4.61
3.	5×6	0.7	2	19.4	500	3.08
4.	5×10	0.7	2	22.5	790	1.83
5.	5×16	0.7	2	25.0	1125	1.15
6.	5×25	0.9	2	30.0	1730	0.727
7.	5×35	0.9	2	35.0	2350	0.524
8.	5×50	1.0	2	37.5	3000	0.387
9.	5×70	1.1	2	43.5	4120	0.268
10.	5×95	1.1	2	48.5	5620	0.193
11.	5×120	1.2	2	54.0	7050	0.153
12.	5×150	1.4	2	61.0	8550	0.124
13.	5×185	1.6	2	66.5	10470	0.0991
14.	5×240	1.7	2	74.0	13800	0.0754

1.	4×2.5+1×1.5	0.7/0.7	2	13.8	220	7.41/12.1
2.	4×4+1×2.5	0.7/0.7	2	14.7	320	4.61/7.41
3.	4×6+1×4	0.7/0.7	2	17.0	420	3.08/4.61
4.	4×10+1×6	0.7/0.7	2	19.7	650	1.83/3.08
5.	4×16+1×10	0.7/0.7	2	22.9	950	1.15/1.83
6.	4×25+1×16	0.9/0.7	2	26.8	1450	0.727/1.15
7.	4×35+1×16	0.9/0.7	2	29.6	1850	0.524/1.15
8.	4×50+1×25	1.0/0.9	2	33.8	2500	0.387/0.727
9.	4×70+1×35	1.1/0.9	2	38.1	3450	0.268/0.524
10.	4×95+1×50	1.1/1.0	2	42.3	4700	0.193/0.387
11.	4×120+1×70	1.2/1.1	2	47.4	6000	0.153/0.268
12.	4×150+1×70	1.4/1.1	2	52.3	7100	0.124/0.268
13.	4×185+1×95	1.6/1.1	2	58.4	9000	0.0991/0.193
14.	4×240+1×120	1.7/1.2	2	64.5	10400	0.0754/0.153
15.	4×300+1×150	1.8/1.4	2	72.0	14100	0.0601/0.124

No	Conductor cross-section	Thickness of insulation	Class of conductor IEC60228	Max. Outside Diameter	Weight of cable approx.	Max. DC resistance at 20°C
	mm <sup>2</sup>	mm		mm	kg/km	Ω/km
1.	3×2.5+2×1.5	0.7/0.7	2	14.0	220	7.41/12.1
2.	3×4+2×2.5	0.7/0.7	2	15.2	320	4.61/7.41
3.	3×6+2×4	0.7/0.7	2	17.4	420	3.08/4.61
4.	3×10+2×6	0.7/0.7	2	20.5	650	1.83/3.08
5.	3×16+2×10	0.7/0.7	2	23.5	900	1.15/1.83
6.	3×25+2×16	0.9/0.7	2	28.6	1300	0.727/1.15
7.	3×35+2×25	0.9/0.9	2	30.6	1700	0.524/1.15
8.	3×50+2×35	1.0/0.9	2	34.8	2200	0.387/0.727
9.	3×70+2×35	1.1/0.9	2	40.6	3100	0.268/0.524
10.	3×95+2×50	1.4/1.1	2	44.7	4150	0.193/0.387
11.	3×120+2×70	1.2/1.1	2	50.4	5400	0.153/0.268
12.	3×150+2×70	1.4/1.1	2	56.2	6300	0.124/0.268
13.	3×185+2×95	1.6/1.1	2	62.0	8100	0.0991/0.193
14.	3×240+2×120	1.7/1.2	2	70.0	10000	0.0754/0.153
15.	3×300+2×150	1.8/1.4	2	75.8	11900	0.0601/0.124
1.	3×2.5+1×1.5	0.7/0.7	2	13.6	200	7.41/12.1
2.	3×4+1×2.5	0.7/0.7	2	14.8	270	4.61/7.41
3.	3×6+1×4	0.7/0.7	2	16.4	360	3.08/4.61
4.	3×10+1×6	0.7/0.7	2	19.2	480	1.83/3.08
5.	3×16+1×10	0.7/0.7	2	22.5	760	1.15/1.83
6.	3×25+1×16	0.9/0.7	2	25.8	1040	0.727/1.15
7.	3×35+1×16	0.9/0.7	2	29.2	1420	0.524/1.15
8.	3×50*+1×25	1.0/0.9	2	29.7	1830	0.387/0.727
9.	3×70*+1×35	1.1/0.9	2	34.5	2670	0.268/0.524
10.	3×95*+1×50	1.1/1.0	2	39.4	3650	0.193/0.387
11.	3×120*+1×70	1.2/1.1	2	44.6	4650	0.153/0.268
12.	3×150*+1×70	1.4/1.1	2	47.3	5600	0.124/0.268
13.	3×185*+1×95	1.6/1.1	2	53.2	6900	0.0991/0.193
14.	3×240*+1×120	1.7/1.2	2	61.1	9000	0.0754/0.153
15.	3×300*+1×150	1.8/1.4	2	67.6	10400	0.0601/0.124

Note:\*Stranded sector conductor.

# AENOR Product Certificate

## Electric cables



**042/001043**

AENOR, Spanish Association for Standardization and Certification, certifies that the organization

### **PRYSMIAN CABLES SPAIN, S.A.U.**

registered office CR C-15 KM 2. PI. MASIA D'EN NOTARI  
08800 VILANOVA I LA GELTRÚ (Barcelona - España)

supplies INDUSTRIAL CABLES OF RATED VOLTAGE 0,6 /1 kV. XLPE INSULATED  
AND PVC SHEATHED CABLES. FLEXIBLE CONDUCTOR.

in compliance with UNE 21123-2:2014

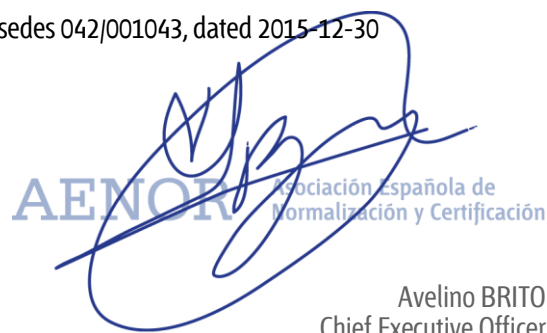
Designation RV-K  
Trade Mark PRYSMIAN RETENAX FLEX  
Restriction From 1 x 1,5 mm<sup>2</sup> to 5 x 300 mm<sup>2</sup>

Production site CR C-15 KM 2. PI. MASIA D'EN NOTARI  
08800 VILANOVA I LA GELTRÚ (Barcelona - España)

Certification scheme In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 42.01.

This certificate supersedes 042/001043, dated 2015-12-30

First issued on 2014-07-17  
Modified on 2016-07-06  
Validity date 2021-07-06

  
Asociación Española de  
Normalización y Certificación

Avelino BRITO  
Chief Executive Officer

**AENOR**

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Normalización y Certificación

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