DATA SHEET

KABELINDO NYY CABLE

Based on Kabelindo Datasheet

PT. KABELINDO MURNI Tbk

NYY 0.6/1 kV

Copper Conductor, PVC Insulated,PVC Sheated

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1. Conductor    : Annealed Copper wire
2. Insulation   : Extruded PVC
3. Filler       : Extruded PVC
4. Sheath       : Extruded PVC
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PVC LOW VOLTAGE CABLE

TECHNICAL DATA

Spec — Specification : SPLN 43 -1 : 1994,
IEC 60502 - 1 : 1997

APL — Used for indoor in ducts installation or for laying in the ground where not sustain mechanical damage

Cu — Conductor Shape : re = Circular
rm = Circular

DCV — DC Test Voltage : 8,5 kV for 5 m

DIMENSIONAL DATA

1 CORE

SIZE	No.of wire and Shaped Of Conductor		Nominal Thickness		Approximately		Min. Bending Diameter	Std. Length per reel
			Insulation	Outer Sheath	Overall Diameter	Net. Weight		
mm^2	pcs	shape	mm	mm	mm	kg/km	mm	m
1.5	1	re	0.8	1.4	5.8	50	104	100 / Coil
	7	rm			6	52	108	
2.5	1	re			6.2	63	112	
	7	rm			6.5	67	117	
4	1	re	1		7.1	87	128	
	7	rm			7.4	92	133	
6	1	re			7.6	110	137	
	7	rm			8	117	144	
10	7	rm			8.8	163	158	
16	7	rm			9.9	227	178	1000
25	7	rm	1.2		11.6	336	209	
35	7	rm			12.7	437	229	
50	19	rm	1.4		14.3	562	257	
70	19	rm			16	768	288	
95	19	rm	1.6	1.5	18.5	1049	333	
120	37	rm			20	1280	360	
150	37	rm	1.8	1.6	22.2	1575	400	
185	37	rm	2	1.7	24.6	1959	443	
240	61	rm	2.2	1.8	27.7	2538	499	
300	61	rm	2.4	1.9	30.7	3157	553	
400	61	rm	2.6	2	34.2	3995	616	500
500	61	rm	2.8	2.1	38.1	5075	686	
630	91	rm		2.3	42.4	6449	763	

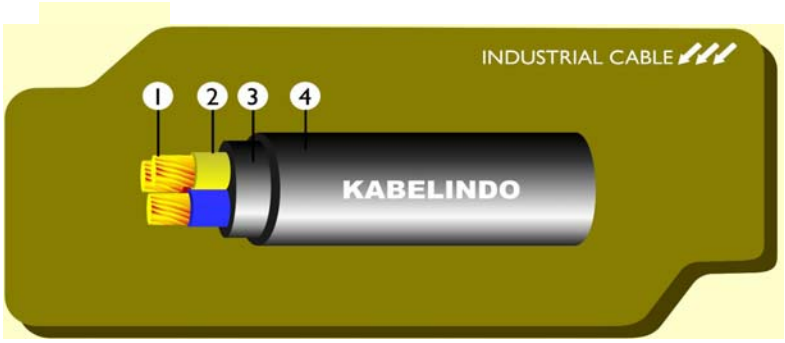
ELECTRICAL DATA

SIZE	DC Resistance at 20ºC		Current Carrying Capacity at 30ºC		Conductor Short Circuit Current Capacity at :			DC Voltage Test
	Conductor (Max)	Insulation (Min)	In Ground	In Air	0.1 second	0.5 second	1.0 second	
mm^2	Ohm/km	M.ohm.km	A	A	kA	kA	kA	
1.5	12.1	50	33	26	0.67	0.30	0.21	8.5 kV for 5 minutes
2.5	7.41		45	35	1.12	0.50	0.36	
4	4.61		58	46	1.80	0.80	0.57	
6	3.08		74	58	2.69	1.20	0.85	
10	1.83		98	80	4.49	2.01	1.42	
16	1.15	40	129	105	7.18	3.21	2.27	
25	0.727		169	140	11.23	5.02	3.55	
35	0.524		210	175	15.72	7.03	4.97	
50	0.387	30	250	215	22.45	10.04	7.10	
70	0.268		310	270	31.43	14.06	9.94	
95	0.193		375	335	42.66	19.08	13.49	
120	0.153		425	390	53.89	24.10	17.04	
150	0.124	20	480	445	67.36	30.12	21.30	
185	0.0991		550	510	83.07	37.15	26.27	
240	0.0754		640	620	107.77	48.20	34.08	
300	0.0601		730	710	134.71	60.25	42.60	
400	0.0470		855	850	179.62	80.33	56.80	
500	0.0366		990	1000	224.52	100.41	71.00	
630	0.0283		1126	1195	282.90	126.52	89.46	

PT. KABELINDO MURNI Tbk

NYY 0.6/1 kV

Copper Conductor, PVC Insulated,PVC Sheated



1. Conductor : Annealed Copper wire
2. Insulation : Extruded PVC
3. Filler : Extruded PVC
4. Sheath : Extruded PVC

PVC LOW VOLTAGE CABLE

TECHNICAL DATA

Spec — Specification : SPLN 43 -1 : 1994,
IEC 60502 - 1 : 1997

APL — Used for indoor in ducts installation or for laying in the ground where not sustain mechanical damage

Cu — Conductor Shape : re = Circular So
rm = Circular St

DCV — DC Test Voltage : 8,5 kV for 5 minu

DIMENSIONAL DATA

2 CORES

SIZE	No.of wire and Shaped Of Conductor		Nominal Thickness		Approximately		Min. Bending Diameter	Std. Length per reel
			Insulation	Outer Sheath	Overall Diameter	Net. Weight		
mm^2	pcs	shape	mm	mm	mm	kg/km	mm	m
1.5	1	re	0.8	1.8	10.8	159	194	1000
	7	rm			11.1	168	200	
2.5	1	re			11.6	196	209	
	7	rm			12.1	209	218	
4	1	re	1		13.3	269	239	
	7	rm			13.9	289	250	
6	1	re			14.3	333	257	
	7	rm			15.1	359	272	
10	7	rm			16.8	485	302	
16	7	rm			18.9	657	340	
25	7	rm	1.2		22.3	959	401	
35	7	rm			24.5	1224	441	
50	19	rm	1.4	1.9	27.7	1578	499	
70	19	rm			31.4	2131	565	
95	19	rm	1.6	2	36.4	2905	655	
120	37	rm		2.1	39.7	3531	715	500
150	37	rm	1.8	2.2	43.7	4321	787	
185	37	rm	2	2.4	48.6	5368	875	
240	61	rm	2.2	2.6	55.1	6964	992	300
300	61	rm	2.4	2.7	60.8	8605	1094	

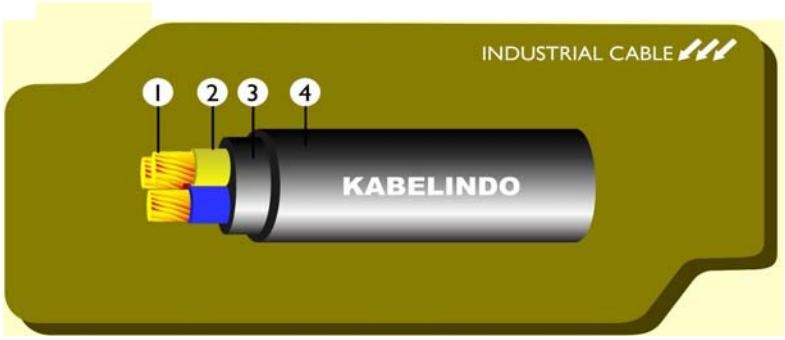
ELECTRICAL DATA

SIZE	DC Resistance at 20°C		Current Carrying Capacity at 30°C		Conductor Short Circuit Current Capacity at :			DC Voltage Test
	Conductor (Max)	Insulation (Min)	In Ground	In Air	0.1 second	0.5 second	1.0 second	
mm^2	Ohm/km	M.ohm.km	A	A	kA	kA	kA	
1.5	12.1	50	27	21	0.67	0.30	0.21	8.5 kV for 5 minutes
2.5	7.41		36	29	1.12	0.50	0.36	
4	4.61		47	38	1.80	0.80	0.57	
6	3.08		59	48	2.69	1.20	0.85	
10	1.83		78	66	4.49	2.01	1.42	
16	1.15	40	102	90	7.18	3.21	2.27	
25	0.727		134	120	11.23	5.02	3.55	
35	0.524		160	150	15.72	7.03	4.97	
50	0.387	30	187	180	22.45	10.04	7.10	
70	0.268		230	230	31.43	14.06	9.94	
95	0.193		280	275	42.66	19.08	13.49	
120	0.153		320	320	53.89	24.10	17.04	
150	0.124	20	355	379	67.36	30.12	21.30	
185	0.0991		409	430	83.07	37.15	26.27	
240	0.0754		472	510	107.77	48.20	34.08	
300	0.0601		525	590	134.71	60.25	42.60	

PT. KABELINDO MURNI Tbk

NYY 0.6/1 kV

Copper Conductor, PVC Insulated,PVC Sheated

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PVC LOW VOLTAGE CABLE

TECHNICAL DATA

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rm = Circular

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DIMENSIONAL DATA

3 CORES

SIZE	No.of wire and Shaped Of Conductor		Nominal Thickness		Approximately		Min. Bending Diameter	Std. Length per reel
			Insulation	Outer Sheath	Overall Diameter	Net. Weight		
mm^2	pcs	shape	mm	mm	mm	kg/km	(mm)	(m)
1.5	1	re	0.8	1.8	11.2	182	202	1000
	7	rm			11.6	191	209	
2.5	1	re			12.1	229	218	
	7	rm			12.6	245	227	
4	1	re	1		14	319	252	
	7	rm			14.6	342	263	
6	1	re			15.1	401	272	
	7	rm			15.9	433	286	
10	7	rm			17.8	596	320	
16	7	rm			20	822	360	
25	7	rm	1.2		23.6	1213	425	
35	7	rm			26	1565	468	
50	19	sm	1.4		25.3	1898	455	
70	19	sm		2	28.6	2580	515	
95	19	sm	1.6	2.1	32.7	3485	589	
120	37	sm		2.2	35.5	4312	639	500
150	37	sm	1.8	2.3	39.2	5300	706	
185	37	sm	2	2.5	43.8	6478	788	
240	37	sm	2.2	2.7	49.3	8491	887	300
300	37	sm	2.4	3.1	55	10652	990	

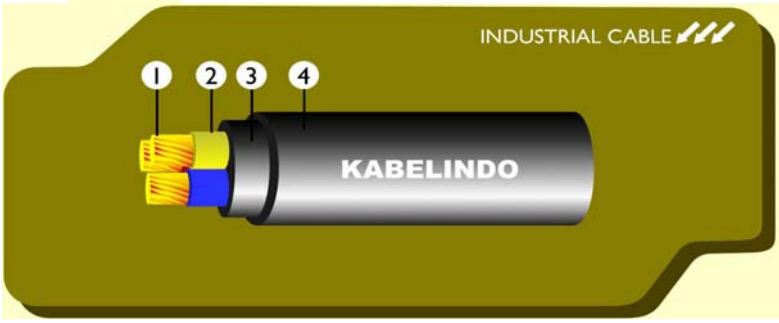
ELECTRICAL DATA

SIZE	DC Resistance at 20ºC		Current Carrying Capacity at 30ºC		Conductor Short Circuit Current Capacity at :			DC Voltage Test
	Conductor (Max)	Insulation (Min)	In Ground	In Air	0.1 second	0.5 second	1.0 second	
mm^2	Ohm/km	M.ohm.km	A	A	kA	kA	kA	
1.5	12.1	50	24	18	0.67	0.30	0.21	8.5 kV for 5 minutes
2.5	7.41		32	25	1.12	0.50	0.36	
4	4.61		41	34	1.80	0.80	0.57	
6	3.08		52	44	2.69	1.20	0.85	
10	1.83		69	60	4.49	2.01	1.42	
16	1.15	40	89	80	7.18	3.21	2.27	
25	0.727		116	105	11.23	5.02	3.55	
35	0.524		138	130	15.72	7.03	4.97	
50	0.387	30	165	160	22.45	10.04	7.10	
70	0.268		205	200	31.43	14.06	9.94	
95	0.193		245	245	42.66	19.08	13.49	
120	0.153		285	285	53.89	24.10	17.04	
150	0.124	20	315	325	67.36	30.12	21.30	
185	0.0991		355	370	83.07	37.15	26.27	
240	0.0754		415	435	107.77	48.20	34.08	
300	0.0601		535	600	134.71	60.25	42.60	

PT. KABELINDO MURNI Tbk

NYY 0.6/1 kV

Copper Conductor, PVC Insulated, PVC Sheated



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PVC LOW VOLTAGE CABLE

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DIMENSIONAL DATA

4 CORES

SIZE	No.of wire and Shaped Of Conductor		Nominal Thickness		Approximately		Min. Bending Diameter	Std. Length per reel
			Insulation	Outer Sheath	Overall Diameter	Net. Weight		
mm^2	pcs	shape	mm	mm	mm	kg/km	mm	m
1.5	1	re	0.8	1.8	12	213	216	1000
	7	rm			12.4	224	223	
2.5	1	re			13	273	234	
	7	rm			13.6	292	245	
4	1	re	1		15.1	385	272	
	7	rm			15.8	413	284	
6	1	re			16.3	490	293	
	7	rm			17.2	527	310	
10	7	rm			19.4	743	349	
16	7	rm			21.8	1035	392	
25	7	rm	1.2		25.9	1541	466	
35	7	rm			28.6	1999	515	
50	19	sm	1.4	1.9	30	2498	540	
70	19	sm		2.1	34.1	3374	614	
95	19	sm	1.6	2.2	38.7	4536	697	
120	37	sm		2.3	42.6	5676	767	500
150	37	sm	1.8	2.5	46.3	6910	833	
185	37	sm	2	2.7	52.2	8596	940	
240	37	sm	2.2	2.9	58.5	11087	1053	300
300	37	sm	2.4	3.1	65.4	13549	1177	

ELECTRICAL DATA

SIZE	DC Resistance at 20ºC		Current Carrying Capacity at 30ºC		Conductor Short Circuit Current Capacity at :			DC Voltage Test
	Conductor (Max)	Insulation (Min)	In Ground	In Air	0.1 second	0.5 second	1.0 second	
mm^2	Ohm/km	M.ohm.km	A	A	kA	kA	kA	
1.5	12.1	50	24	18	0.67	0.30	0.21	8.5 kV for 5 minutes
2.5	7.41		32	25	1.12	0.50	0.36	
4	4.61		41	34	1.80	0.80	0.57	
6	3.08		52	44	2.69	1.20	0.85	
10	1.83		69	60	4.49	2.01	1.42	
16	1.15	40	89	80	7.18	3.21	2.27	
25	0.727		116	105	11.23	5.02	3.55	
35	0.524		138	130	15.72	7.03	4.97	
50	0.387	30	165	160	22.45	10.04	7.10	
70	0.268		205	200	31.43	14.06	9.94	
95	0.193		245	245	42.66	19.08	13.49	
120	0.153		280	285	53.89	24.10	17.04	
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185	0.0991		355	370	83.07	37.15	26.27	
240	0.0754		415	435	107.77	48.20	34.08	
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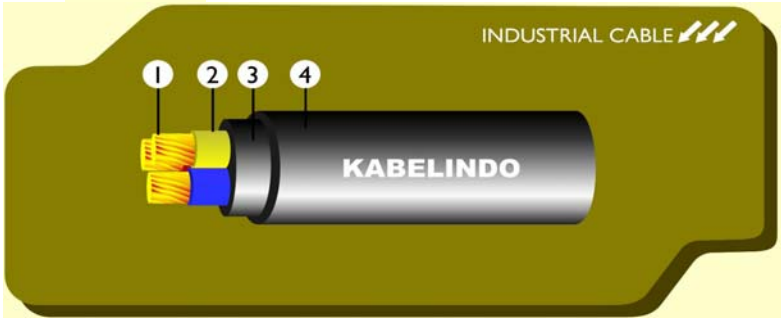


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DIMENSIONAL DATA

5 CORES

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mm^2	pcs	shape	mm	mm	mm	kg/km	mm	m
1.5	1	re	0.8	1.8	12.8	255	230	1000
	7	rm			13.3	268	239	
2.5	1	re			14	329	252	
	7	rm			14.6	352	263	
4	1	re	1		16.3	470	293	
	7	rm			17.1	505	308	
6	1	re			17.7	602	319	
	7	rm			18.6	650	335	
10	7	rm			21	912	378	
16	7	rm			23.8	1279	428	
25	7	rm	1.2		28.3	1914	509	
35	7	rm			31.5	2505	567	
50	19	rm	1.4	1.9	36.4	3273	655	

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SIZE	DC Resistance at 20ºC		Current Carrying Capacity at 30ºC		Conductor Short Circuit Current Capacity at :			DC Voltage Test
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1.5	12.1	50	24	18	0.67	0.30	0.21	8.5 kV for 5 minutes
2.5	7.41		32	25	1.12	0.50	0.36	
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