



## Feature

These low voltage cables are applied for connection between the power line and service entrance cable on the customer.

## CONSTRUCTION

### Conductor

Phase : all aluminium conductor.

Neutral or messenger can be use one of these below:

- all aluminium conductor (AAC).
- all aluminium alloy conductor (AAAC).
- all aluminium steel reinforce (ACSR).

### Insulation

Extruded Black Crosslink Polyethylene (XLPE), suitable for the operating temperature of the cable.

**Duplex** : consist of one core insulation and one bare messenger conductor.

**Triplex** : consist of two cores insulation and one bare messenger conductor.

**Quadruplex** : consist of three cores insulation and one bare messenger conductor.

**Specification** : SNI 04 - 0851:1989  
**(Other specifications are available upon request)**

**Type** : - Duplex secondary and service drop cable.

- Triplex secondary and service drop cable.

- Quadruplex secondary and service drop cable.

## PHYSICAL PROPERTIES

Nom. Cross section of cable	Phase conductor			Bare neutral messenger		Complete Cable		
	No./dia of wires	Insulation thickness	Nominal diameter	Nominal diameter of wires	Nominal cond. dia.	Breaking force	Approx. cable dia.	Approx. cable weight
mm <sup>2</sup>	n/mm	mm	mm	n/mm	mm	kg	mm	kg/km

### ALL ALUMINIUM NEUTRAL MESSENGER

16	7/1.75	1.2	7.65	7/1.75	5.25	303	13.1	123
25	7/2.25	1.4	9.55	7/2.25	6.75	500	16.5	198
35	7/2.5	1.6	10.70	7/2.5	7.50	619	18.5	246
50	19/1.75	1.6	11.95	19/1.75	8.75	823	21.0	314

### ALL ALUMINIUM ALLOY NEUTRAL MESSENGER

25	7/2.25	1.4	9.55	7/2.25	6.75	835	16.5	198
35	7/2.5	1.6	10.70	7/2.5	7.50	1,031	18.5	246
50	19/1.75	1.6	11.95	19/1.75	8.75	1,371	21.0	314

### ACSR NEUTRAL MESSENGER

				AL	ST				
16	7/1.75	1.2	7.65	6/1.8	1/1.8	5.4	5,950	13.2	139
25	7/2.25	1.4	9.55	6/2.25	1/2.25	6.8	9,200	16.5	220
35	7/2.5	1.6	10.70	6/2.7	1/2.7	8.1	12,650	19.0	292
50	19/1.75	1.6	11.95	12/2.33	7/2.33	11.7	23,800	24.0	568

**LOW VOLTAGE MULTIPLEX CABLE  
 DUPLEX SECONDARY AND SERVICE DROP CABLE  
 Specification : SNI 04-0851:1989**



**ELECTRICAL PROPERTIES AND STANDARD PACKAGING**

Nom. Cross section of cable	D.C. resistance of conductor at 20° C	Max. current capacity at ambient temperature		Standard Packaging	
		30° C	40° C	Standard length	Type of reel
		A	A		
mm <sup>2</sup>	ohm/km			m	

**ALL ALUMINIUM NEUTRAL MESSENGER**

16	1.8020	100	88	2,500	Drum
25	1.0880	132	122	1,500	Drum
35	0.8332	166	147	1,000	Drum
50	0.6330	210	186	750	Drum

**ALL ALUMINIUM ALLOY NEUTRAL MESSENGER**

25	1.0880	132	122	1,500	Drum
35	0.8332	166	147	1,000	Drum
50	0.6330	210	186	750	Drum

**ACSR NEUTRAL MESSENGER**

16	1.8020	100	88	2,500	Drum
25	1.0880	132	122	1,500	Drum
35	0.8332	166	147	1,000	Drum
50	0.6330	210	186	750	Drum

**LOW VOLTAGE MULTIPLEX CABLE  
TRIPLEX SECONDARY AND SERVICE DROP CABLE**  
Specification : SNI 04-0851:1989



**PHYSICAL PROPERTIES**

Nom. Cross section of cable	Phase conductor			Bare neutral messenger		Complete cable		
	No./dia of wires	Insulation thickness	Nominal diameter	Nominal diameter of wires	Nominal cond. dia.	Breaking force	Approx. cable dia	Approx. cable weight
mm <sup>2</sup>	n/mm	mm	mm	n/mm	mm	kg	mm	kg/km

**ALL ALUMINIUM NEUTRAL MESSENGER**

16	7/1.75	1.2	7.65	7/1.75	5.25	303	14.9	199
25	7/2.25	1.4	9.55	7/2.25	6.75	500	18.2	320
35	7/2.5	1.6	10.70	7/2.5	7.50	619	21.3	400
50	19/1.75	1.6	11.95	19/1.75	8.75	823	24.4	500
70	19/2.25	1.8	14.85	19/2.25	10.00	1,360	28.4	800
95	19/2.5	1.8	16.10	19/2.5	12.50	1,680	31.9	975
120	19/2.75	1.8	17.35	19/2.75	13.75	2,031	34.7	1,150

**ALL ALUMINIUM ALLOY NEUTRAL MESSENGER**

25	7/2.25	1.4	9.55	7/2.25	6.75	835	18.2	320
35	7/2.5	1.6	10.70	7/2.5	7.50	1,031	21.3	400
50	19/1.75	1.6	11.95	19/1.75	8.75	1,371	24.3	500
70	19/2.25	1.8	14.85	19/2.25	10.00	2,266	28.4	800
95	19/2.5	1.8	16.10	19/2.5	12.50	2,798	31.9	975
120	19/2.75	1.8	17.35	19/2.75	13.75	3,385	34.7	1,150

**ACSR NEUTRAL MESSENGER**

				AL	ST				
16	7/1.75	1.2	7.65	6/1.8	1/1.8	5.40	5,950	14.9	290
25	7/2.25	1.4	9.55	6/2.25	1/2.25	6.80	9,200	18.2	460
35	7/2.5	1.6	10.70	6/2.7	6/2.7	8.10	12,650	21.3	595
50	19/1.75	1.6	11.95	12/2.33	7/2.33	11.65	23,800	24.3	940
70	19/2.25	1.8	14.85	26/1.85	7/1.44	11.70	26,800	28.4	1,172
95	19/2.5	1.8	16.10	26/2.25	7/1.67	13.60	35,750	31.9	1,475
120	19/2.75	1.8	17.35	26/2.44	7/1.9	15.50	45,650	34.7	1,760

**LOW VOLTAGE MULTIPLEX CABLE  
TRIPLEX SECONDARY AND SERVICE DROP CABLE**  
Specification : SNI 04-0851:1989



**ELECTRICAL PROPERTIES AND STANDARD PACKAGING**

Nom. Cross section of cable	D.C. resistance of conductor at 20° C	Max. current capacity at ambient temperature		Standard Packaging	
		30° C	40° C	Standard length	Type of reel
		A	A		
mm <sup>2</sup>	ohm/km			m	

**ALL ALUMINIUM NEUTRAL MESSENGER**

16	1.8020	101	89	750	Drum
25	1.0880	133	118	750	Drum
35	0.8332	165	146	750	Drum
50	0.6330	209	185	500	Drum
70	0.4010	258	228	500	Drum
95	0.3085	315	279	500	Drum
120	0.2680	361	319	500	Drum

**ALL ALUMINIUM ALLOY NEUTRAL MESSENGER**

25	1.0880	133	118	750	Drum
35	0.8332	165	146	750	Drum
50	0.6330	209	185	750	Drum
70	0.4010	258	228	500	Drum
95	0.3085	315	279	500	Drum
120	0.2680	361	319	500	Drum

**ACSR NEUTRAL MESSENGER**

16	1.8020	101	89	750	Drum
25	1.0880	133	118	750	Drum
35	0.8332	165	146	750	Drum
50	0.6330	209	185	500	Drum
70	0.4010	258	228	500	Drum
95	0.3085	315	279	500	Drum
120	0.2680	361	319	500	Drum

**LOW VOLTAGE MULTIPLEX CABLE**  
**QUADRUPLIX SECONDARY AND SERVICE DROP CABLE**  
 Specification : SNI 04-0851 : 1989



**PHYSICAL PROPERTIES**

Nom. Cross section of cable	Phase conductor			Bare neutral messenger		Complete Cable		
	No./dia of wires	Insulation thickness	Nominal diameter	Nominal diameter of wires	Nominal cond. dia.	Breaking force	Approx. cable dia	Approx. cable weight
mm <sup>2</sup>	n/mm	mm	mm	n/mm	mm	kg	mm	kg/km

**ALL ALUMINIUM NEUTRAL MESSENGER**

25	7/2.25	1.4	9.55	7/2.25	6.75	500	20.7	442
35	7/2.5	1.6	10.70	7/2.5	7.50	619	24.1	550
70	19/1.75	1.6	11.95	19/1.75	8.75	823	27.3	689
50	19/2.25	1.8	14.85	19/2.25	10.00	1,360	31.8	1,100
95	19/2.5	1.8	16.10	19/2.5	12.50	1,680	35.7	1,325
120	19/2.75	1.8	17.35	19/2.75	13.75	2,031	38.9	1,575

**ALL ALUMINIUM ALLOY NEUTRAL MESSENGER**

25	7/2.25	1.4	9.55	7/2.25	6.75	835	20.7	442
35	7/2.5	1.6	10.70	7/2.5	7.50	1,031	24.1	550
50	19/1.75	1.6	11.95	19/1.75	8.75	1,371	27.3	689
70	19/2.25	1.8	14.85	19/2.25	10.00	2,266	31.8	1,100
95	19/2.5	1.8	16.10	19/2.5	12.50	2,798	35.7	1,325
120	19/2.75	1.8	17.35	19/2.75	13.75	3,385	38.9	1,575

**ACSR NEUTRAL MESSENGER**

				AL	ST				
16	7/1.75	1.2	7.65	6/1.8	1/1.8	5.40	5,950	16.8	290
25	7/2.25	1.4	9.55	6/2.25	1/2.25	6.80	9,200	20.7	465
35	7/2.5	1.6	10.70	6/2.7	6/2.7	8.10	12,650	24.1	598
50	19/1.75	1.6	11.95	12/2.33	7/2.33	11.65	23,800	27.3	940
70	19/2.25	1.8	14.85	26/1.85	7/1.44	11.70	26,800	31.8	1,175
95	19/2.5	1.8	16.10	26/2.25	7/1.67	13.60	35,750	35.7	1,474
120	19/2.75	1.8	17.35	26/2.44	7/1.9	15.50	45,650	38.9	1,754

**LOW VOLTAGE MULTIPLEX CABLE  
QUADRUPLEX SECONDARY AND SERVICE DROP CABLE**  
Specification : SNI 04-0851:1989



**ELECTRICAL PROPERTIES AND STANDARD PACKAGING**

Nom. Cross section of cable	D.C. resistance of conductor at 20 C	Max. current capacity at ambient temperature		Standard Packaging	
		30°C	40°C	Standard length	Type of reel
		A	A		
mm <sup>2</sup>	ohm/km				

**ALL ALUMINIUM NEUTRAL MESSENGER**

25	1.0880	122	107	750	Drum
35	0.8332	152	134	500	Drum
50	0.6330	190	168	500	Drum
70	0.4010	234	207	500	Drum
95	0.3085	287	254	500	Drum
120	0.2680	332	294	500	Drum

**ALL ALUMINIUM ALLOY NEUTRAL MESSENGER**

25	1.0880	122	107	750	Drum
35	0.8332	152	134	500	Drum
50	0.6330	190	168	500	Drum
70	0.4010	234	207	500	Drum
95	0.3085	287	254	500	Drum
120	0.2680	332	294	500	Drum

**ACSR NEUTRAL MESSENGER**

16	1.8020	93	81	750	Drum
25	1.0880	122	107	750	Drum
35	0.8332	152	134	500	Drum
50	0.6330	190	168	500	Drum
70	0.4010	234	207	500	Drum
95	0.3085	287	254	500	Drum
120	0.2680	332	294	500	Drum