

LOW VOLTAGE CABLE



PT VOKSEL ELECTRIC Tbk.



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PT VOKSEL ELECTRIC Tbk.

LOW VOLTAGE BUNDLED CABLE
FOR OVERHEAD LINE : NFA2X-T (TWISTED CABLE)
Specification : SPLN 42-10:1993 & SNI 04-1906:1990

Cable Construction		Complete Cable			Phase conductor		Neutral Messenger conductor		Public lighting conductor		
No. of core	x Nom. cross section	Assembly Pitch		Approx. twisted diameter	Approx. cable weight	Insulation thickness	Max. outer diameter	Insulation thickness	Max. outer diameter	Insulation thickness	Max. outer diameter
		Min.	Max.								
mm ²		cm		mm	kg/km	mm	mm	mm	mm	mm	mm
2x25 + 1x25		32	65	19.8	318	1.4	10.0	1.4	10.0	-	-
2x35 + 1x25		36	73	22.1	340	1.6	11.2	1.4	10.0	-	-
2x50 + 1x35		41	82	25.3	545	1.6	12.6	1.6	11.2	-	-
2x70 + 1x50		50	100	29.6	732	1.8	15.4	1.6	12.6	-	-
2x95 + 1x70		55	110	34.2	976	2.0	17.0	1.8	15.4	-	-
3x25 + 1x25		36	73	22.2	425	1.4	10.0	1.4	10.0	-	-
3x35 + 1x25		41	81	28.0	546	1.6	11.2	1.4	10.0	-	-
3x50 + 1x35		46	91	32.1	744	1.6	12.6	1.6	11.2	-	-
3x70 + 1x50		56	112	37.5	998	1.8	15.4	1.6	12.6	-	-
3x95 + 1x70		63	125	43.4	1,330	2.0	17.0	1.8	15.4	-	-
3x25 + 1x25 + 2x16		36	73	29.0	565	1.4	10.0	1.4	10.0	1.2	8.1
3x35 + 1x25 + 2x16		41	81	30.4	687	1.6	11.2	1.4	10.0	1.2	8.1
3x50 + 1x35 + 2x16		46	91	33.0	884	1.6	12.6	1.6	11.2	1.2	8.1
3x70 + 1x50 + 2x16		56	112	37.5	1,138	1.8	15.4	1.6	12.6	1.2	8.1
3x95 + 1x70 + 2x16		63	125	43.4	1,470	2.0	17.0	1.8	15.4	1.2	8.1

Cable Construction		D.C. resistance of conductor at 20°C			Max. Current capacity at 35°C		Calculating breaking force	Standard Packaging	
No. of core	x Nom. cross section	Phase Conductor	Messenger Conductor	Public Lighting Conductor	Phase Conductor	Public Lighting Conductor		Standard length	Type of reel
		ohm/km			A		kg		
2x25 + 1x25		1.20	1.38	-	103	-	712	1000	Drum
2x35 + 1x25		0.868	1.38	-	125	-	712	1000	Drum
2x50 + 1x35		0.641	0.986	-	154	-	997	1000	Drum
2x70 + 1x50		0.443	0.690	-	196	-	1395	1000	Drum
2x95 + 1x70		0.320	0.450	-	242	-	1932	750	Drum
3x25 + 1x25		1.20	1.38	-	103	-	712	1000	Drum
3x35 + 1x25		0.868	1.38	-	125	-	712	1000	Drum
3x50 + 1x35		0.641	0.986	-	154	-	997	1000	Drum
3x70 + 1x50		0.443	0.690	-	196	-	1395	750	Drum
3x95 + 1x70		0.320	0.450	-	242	-	1932	500	Drum
3x25 + 1x25 + 2x16		1.20	1.38	1.91	103	72	712	500	Drum
3x35 + 1x25 + 2x16		0.868	1.38	1.91	125	72	712	500	Drum
3x50 + 1x35 + 2x16		0.641	0.986	1.91	154	72	997	500	Drum
3x70 + 1x50 + 2x16		0.443	0.690	1.91	196	72	1395	500	Drum
3x95 + 1x70 + 2x16		0.320	0.450	1.91	242	72	1932	500	Drum

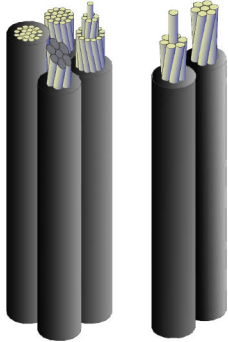
LOW VOLTAGE BUNDLED CABLE

TWISTED, SELF SUPPORT & SERVICE ENTRANCE CABLE NFA2X-T, NFA2X



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

Specification : SPLN 42-10 : 1993 & SNI 04-1906:1990
(Other specification are available upon request)



Feature

These low voltage cables are applied for low voltage network and service entrance cable on the customer.

Construction

Conductor

Twisted cable with neutral messenger (NFA2X-T):

- Stranded all aluminium conductor for phase and public lighting.
- Stranded all alloy aluminium conductor for neutral messenger.

Self support and service entrance (NFA2X and NF2X):

- Stranded all aluminium conductor for phase and neutral of NFA2X.
- Stranded annealed copper conductor for phase and neutral of NF2X.

Element of cable

Nominal cross section	Conductor		Insulation thickness
	No./diameter of wire	Nominal diameter of conductor	XLPE
mm ²	n/mm	mm	mm
10 rm	7/1.35	4.05	1.2
16 rm	7/1.71	5.13	1.2
25 rm	7/2.13	6.39	1.4
35 rm	7/2.52	7.56	1.6
50 rm	7/3.02	9.06	1.6
70 rm	19/2.17	10.85	1.8
95 rm	19/2.52	12.60	2.0

LOW VOLTAGE BUNDLED CABLE FOR OVERHEAD LINE : NFA2X (SELF SUPPORT & SERVICE ENTRANCE CABLE) Specification : SPLN 42-10:1993 & SNI 04-1906:1990

Cable Construction	Complete Cable				D.C. resistance of conductor at 20°C		Max. Current capacity at 35°C		Calculating breaking force		Standard Packaging		
	No. of core	Nom. cross section	Assembly Pitch		Approx. twisted diameter	Approx. cable weight		AL	CU	AL	CU	AL	CU
Min.			Max.	AL		CU	AL						
mm ²	cm		mm	kg/km		ohm/km		A		kg		m	
2 x 10 rm	21	35	12.9	98	224	3.08	1.83	54	73	322	656	2,000	Drum
2 x 16 rm	23	38	15.1	142	345	1.91	1.15	72	97	515	1051	2,000	Drum
4 x 10 rm	25	42	15.6	195	449	3.08	1.83	54	73	644	1312	1,000	Drum
4 x 16 rm	28	46	18.2	283	690	1.91	1.15	72	97	1030	2102	1,000	Drum
4 x 25 rm	35	58	22.2	429	1,061	1.20	0.727	102	133	1610	3284	1,000	Drum
4 x 35 rm	41	67	26.0	593	1,477	0.868	-	125	-	2250	-	1,000	Drum

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