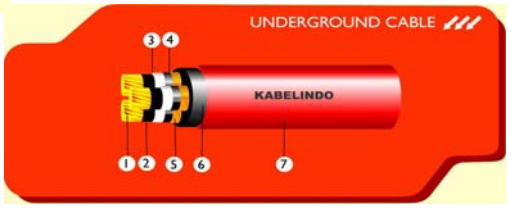
PT. KABELINDO MURNI Tbk

N2XSEY / NA2XSEY 18/30 (36) kV

Copper or Aluminium Conductor , XLPE Insulated
Copper Wire / Tape Screened , PVC Sheathed Cable



1. Conductor : Copper or aluminum (compacted circular stranded)
2. Conductor screen : Extruded semi conductive compound
3. Insulation : Extruded Cross Linked Polyethylene (XLPE)
4. Insulation screen : Extruded Strippable semiconductive compound
5. Metalic Screen : Helically Overlapped copper tape
6. Inner Sheath : Extruded PVC 90° C grade
7. Outer Sheath : Extruded PVC 90° C grade

MEDIUM VOLTAGE XPLE INSULATED CABLE

TECHNICAL DATA

SPEC STD — Specification : SPLN 43-5, IEC 60502

Cu — Conductor Shape : Copper or aluminium (compacted circular stranded

APL — Application : Used for distribution, indoor and outdoor installation in conduit throughs or trays or in the ground where not sustain mechanical damage.

DIMENSIONAL DATA

3 CORES

Cross Section Nominal	Conductor Diameter (Approx)	Insulation Thickness Nominal	Insulation Diameter (Approx)
(mm²)	(mm)	(mm)	(mm)
50	8.25	8.0	25.9
70	9.9		27.5
95	11.7		29.3
120	13.1		30.7
150	14.3		31.9
185	16.3		33.9
240	18.7		36.3
300	20.9		38.5
400	23.7		41.3

Sheath Thickness Nominal	Cable Net Weight (Approx)		Min. Bending Radius	Overall Cable Diameter	Std. Length per reel
	Cu	Al			
(mm)	(kg / km)	(kg / km)	(mm)	(mm)	(m)
2.0	5.800	4.900	760	68	500
	6.800	5.500	810	71	
2.1	8.000	6.100	870	75	
	9.000	6.700	920	79	350
2.2	10.100	7.300	950	81	
	11.800	8.300	100	86	
2.3	14.000	9.400	110	91	
2.4	16.500	10.700	120	97	
2.5	19.700	12.300	130	103	300

ELECTRICAL DATA

Cross Section Nominal	Max.DC Resistance at 20° C Conductor		DC Insulation Resistance at 20° C	Current Carrying Capacity at 30° C - in Air		Current Carrying Capacity at 30° C - in Ground		Capacitance per phase	Inductance per phase	Max.Short Circuit Current of Screen	Max.Short Circuit Current of Conductor	
	Cu	Al		Cu	Al	Cu	Al				Cu	Al
(mm²)	(ohm / km)	(ohm / km)	M.Ohm.km	A	A	A	A	uF / km	mH / km	kA / Sec	kA / Sec	kA / Sec
50	0.387	0.641	1.600	209	164	205	156	0.138	0.402	3.77	7.36	4.89
70	0.268	0.443	1.500	260	207	249	189	0.153	0.381	4.00	10.26	6.81
95	0.193	0.320	1.300	317	248	299	226	0.169	0.363	4.25	13.88	9.19
120	0.153	0.253	1.200	364	286	339	258	0.182	0.352	4.45	17.49	11.58
150	0.124	0.206		415	323	381	287	0.192	0.343	4.62	21.81	14.43
185	0.0991	0.164	1.100	475	368	430	325	0.210	0.330	4.90	26.86	17.76
240	0.0754	0.125	1.000	559	430	498	377	0.231	0.317	5.23	34.78	22.98
300	0.0601	0.100	900	636	487	560	419	0.250	0.308	5.54	43.41	28.67
400	0.047	0.0778	800	768	600	632	501	0.274	0.297	5.93	57.79	38.14