NYM

INDOOR CABLE
(COPPER CONDUCTOR, PVC INSULATED AND PVC SHEATHED)

Type of Cable : **NYM**
Rated Voltage : 300/500 Volt
Size Range : 2 x 1.5 ... 35 mm²
3 x 1.5 ... 35 mm²
4 x 1.5 ... 35 mm²
5 x 1.5 ... 35 mm²
Specification : SPLN 42-2 : 1992
SNI 04-2699-1999
IEC 60227-4 IEC 10

Other Specification are available on request
Application : Permanent instalation
in conduit under plaster
or exposed installation
in dry location

Identification of Cores
Twin-Cores : Light-Blue, Black
Three-Cores : System I
Green/Yellow, Light-blue, Black
System O
Light-Blue, Yellow, Black
Four-Cores : System I
Green/Yellow, Light-blue
Yellow, Black
System O
Light-blue, Red
Yellow, Black
Five-Cores : Green/Yellow, Light-blue,
Red, Yellow, Black
Other Colour are available on request

Construction :
1. Annealed Copper Conductor
2. Extruded PVC Insulated
3. Extruded PVC Outer Sheathed

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CONSTRUCTION

No. of Core	Size	Conductor		Wall Thickness		Approx Overall Diameter	Approx Net. Weight	Standard Length	Packing
		Construction	No. of Wire	Insulation	Sheath				
-	mm^2	-	-	mm	mm	mm	Kg/Km	m	-
2	1.5	re/rm	1/7	0.7	1.2	10.4	119	100	Coil
2	2.5	re/rm	1/7	0.8	1.2	10.5	161	100	Coil
2	4	re/rm	1/7	0.8	1.2	12.6	207	100	Coil
2	6	re/rm	1/7	0.8	1.2	13.8	264	100	Coil
2	10	re/rm	1/7	1.0	1.4	17.2	427	100	Coil
2	16	rm	7	1.0	1.4	20.4	632	100	Coil
2	25	rm	7	1.2	1.4	24.4	944	1000	Drum
2	35	rm	7	1.2	1.6	27.9	1260	1000	Drum
3	1.5	re/rm	1/7	0.7	1.2	10.9	138	100	Drum
3	2.5	re/rm	1/7	0.8	1.2	11.9	201	100	Drum
3	4	re/rm	1/7	0.8	1.2	13.3	256	100	Drum
3	6	re/rm	1/7	0.8	1.4	15.3	342	100	Drum
3	10	re/rm	1/7	1.0	1.4	18.3	432	100	Drum
3	16	rm	7	1.0	1.4	22.3	822	100	Drum
3	25	rm	7	1.2	1.6	26.5	1232	1000	Drum
3	35	rm	7	1.2	1.6	29.9	1583	1000	Drum

CHARACTERISTICS

No of. Core	Size	Resistance at 20°C		Current Carying Capacity at 30°C	Short Circuit Current at 1 sec.	AC Voltage Test
		Conductor	Insulation			
-	mm^2	Ohm / km	M.Ohm.km	Amper	KA	KV / 5 min
2	1.5	12.1	50	19	0.17	2
2	2.5	7.41	50	25	0.29	2
2	4	4.61	50	33	0.46	2
2	6	3.08	40	44	0.69	2
2	10	1.83	40	61	1.16	2
2	16	1.15	40	82	1.84	2
2	25	0.727	40	108	2.92	2
2	35	0.524	40	134	4.05	2
3	1.5	12.1	50	19	0.17	2
3	2.5	7.41	50	25	0.29	2
3	4	4.61	50	33	0.46	2
3	6	3.08	40	44	0.69	2
3	10	1.83	40	61	1.16	2
3	16	1.15	40	82	1.84	2
3	25	0.727	40	108	2.92	2
3	35	0.524	40	134	4.05	2

Note : If site condition are different ratings should be multiplied by rating factors as show in table page 78-83*

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Specification : SPLN 42-2 : 1992
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(other specifications are available on request)

CONSTRUCTION

No. of Core	Size	Conductor		Wall Thickness		Approx Overall Diameter	Approx Net. Weight	Standard Length	Packing
		Construction	No. of Wire	Insulation	Sheath				
-	mm^2	-	-	mm	mm	mm	Kg/Km	m	-
4	1.5	re/rm	1/7	0.7	1.2	11.2	174	100	Coil
4	2.5	re/rm	1/7	0.8	1.2	12.6	246	100	Coil
4	4	re/rm	1/7	0.8	1.2	14.7	348	100	Coil
4	6	re/rm	1/7	0.8	1.2	16.6	468	100	Coil
4	10	re/rm	1/7	1.0	1.4	19.8	722	100	Coil
4	16	rm	7	1.0	1.4	23.8	1014	1000	Drum
4	25	rm	7	1.2	1.4	28.9	1568	1000	Drum
4	35	rm	7	1.2	1.6	32.4	2059	1000	Drum
5	1.5	re/rm	1/7	0.7	1.2	12.2	207	100	Coil
5	2.5	re/rm	1/7	0.8	1.2	13.7	293	100	Coil
5	4	re/rm	1/7	0.8	1.2	16.6	428	100	Coil
5	6	re/rm	1/7	0.8	1.4	18.6	564	100	Coil
5	10	re/rm	1/7	1.0	1.4	22.0	878	100	Coil
5	16	rm	7	1.0	1.4	26.5	1276	1000	Drum
5	25	rm	7	1.2	1.6	32.3	1912	1000	Drum
5	35	rm	7	1.2	1.6	36.3	2540	1000	Drum

CHARACTERISTICS

No of. Core	Size	Resistance at 20°C		Current Carying Capacity at 30°C	Short Circuit Current at 1 sec.	AC Voltage Test
		Conductor	Insulation			
-	mm^2	Ohm / km	M.Ohm.km	Amper	KA	KV / 5 min
4	1.5	12.1	50	19	0.17	2
4	2.5	7.41	50	25	0.29	2
4	4	4.61	50	33	0.46	2
4	6	3.08	40	44	0.69	2
4	10	1.83	40	61	1.16	2
4	16	1.15	40	82	1.84	2
4	25	0.727	40	108	2.92	2
4	35	0.524	40	134	4.05	2
5	1.5	12.1	50	19	0.17	2
5	2.5	7.41	50	25	0.29	2
5	4	4.61	50	33	0.46	2
5	6	3.08	40	44	0.69	2
5	10	1.83	40	61	1.16	2
5	16	1.15	40	82	1.84	2
5	25	0.727	40	108	2.92	2
5	35	0.524	40	134	4.05	2

Note : If site condition are different ratings should be multiplied by rating factors as show in table page 78-83*