

CONSTRUCTION

- 1 Copper conductor (class 2)
- 2 Inner semi conductive layer
- 3 XLPE insulation
- 4 Outer semi conductive layer
- 5 Semi conductive crepe paper
- 6 Copper tape screen
- 7 PP filler
- 8 PVC separation sheath
- 9 Galvanized double steel tape
- 10 PVC outer sheath



SPECIFICATIONS

Code : N2XSEYBY
 Standards : VDE 0273 IEC 60502-2
 Rated voltage : $U_0/U=6/10$ kV
 $U_0/U=8.7/15$ kV
 $U_0/U=12/20$ kV
 $U_0/U=18/30$ kV
 $U_0/U=20.3/35$ kV

Application :
 On this cable, electrical losses are minimized. Used for supplying power for populated and industrial regions, networks having voltage increase risk; can be installed in underground, indoor, outdoor and also in cable channel applications. The armour in the structure makes the cable necessary where there is mechanical stress risk.



Temperature Range



Max. Operation Temperature



Short Circuit Temperature



Flame Retardant
IEC 60332 -1-2



Mechanical Resistance



Min. Bending Radius



RoHS

PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section mm ²	Overall diameter (approx.) mm	Net weight (approx.) kg/km	Delivery length m	Delivery drum type cm	Conductor DC resistance at 20°C Ω / km (max.)	Operating inductance approx mH/km	Operating capacity approx MF/km	Current carrying capacity in (30°C)	
								Earth A	Air A
6/10 (12) kV									
3x35/16 rm	49	3400	500	200	0.524	0.37	0.22	154	172
3x50/16 rm	52	4000	500	210	0.387	0.35	0.24	181	205
3x70/16 rm	57	4900	500	220	0.268	0.33	0.28	220	253
3x95/16 rm	60	5900	500	220	0.193	0.32	0.31	263	307
3x120/16rm	64	6850	500	240	0.153	0.31	0.34	298	352
3x150/25rm	67	7900	500	240	0.124	0.30	0.36	332	397
3x185/25rm	71	9250	500	260	0.0991	0.29	0.40	374	453
3x240/25rm	77	11300	250	220	0.0754	0.28	0.45	431	529
3x300/25 rm	84	14450	250	240	0.0601	0.27	0.51	492	608



PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section mm ²	Overall diameter (approx.) mm	Net weight (approx.) kg/km	Delivery length m	Delivery drum type cm	Conductor DC resistance at 20°C Ω / km (max.)	Operating inductance approx mH/km	Operating capacity approx MF/km	Current carrying capacity in (30°C)	
								Earth A	Air A
8.7/15 (17.5) kV									
3x35/16 rm	55	3950	500	210	0.524	0.39	0.18	154	172
3x50/16 rm	58	4550	500	220	0.387	0.37	0.20	181	205
3x70/16 rm	62	5450	500	220	0.268	0.35	0.22	220	253
3x95/16 rm	66	6500	500	240	0.193	0.33	0.25	263	307
3x120/16 rm	69	7500	250	200	0.153	0.32	0.27	298	352
3x150/25 rm	73	8600	250	210	0.124	0.31	0.29	332	397
3x185/25 rm	77	9900	250	220	0.0991	0.30	0.32	374	453
3x240/25 rm	84	12800	250	240	0.0754	0.29	0.35	431	529
3x300/25 rm	90	15300	250	260	0.0601	0.29	0.40	492	608
12/20 (24) kV									
3x35/16 rm	60	4450	500	220	0.524	0.39	0.16	154	172
3x50/16 rm	62	5050	500	220	0.387	0.37	0.18	181	205
3x70/16 rm	67	6000	500	240	0.268	0.35	0.20	220	253
3x95/16 rm	70	7100	500	240	0.193	0.33	0.22	263	307
3x120/16 rm	74	8100	250	210	0.153	0.32	0.24	298	352
3x150/25 rm	77	9200	250	220	0.124	0.31	0.26	332	397
3x185/25 rm	83	11350	250	240	0.0991	0.30	0.28	374	453
3x240/25 rm	89	13600	250	260	0.0754	0.29	0.31	431	529
3x300/25 rm	95	16100	200	260	0.0601	0.27	0.34	492	608
18/30 (36) kV									
3x35/16 rm	72	5900	250	210	0.524	0.47	0.13	154	172
3x50/16 rm	75	6500	250	220	0.387	0.45	0.14	181	205
3x70/16 rm	79	7550	250	220	0.268	0.42	0.16	220	253
3x95/16 rm	84	9500	250	240	0.193	0.40	0.17	263	307
3x120/16 rm	88	10600	250	240	0.153	0.39	0.18	298	352
3x150/25 rm	91	11800	250	260	0.124	0.37	0.20	332	397
3x185/25 rm	95	13300	250	260	0.0991	0.36	0.21	374	453
3x240/25 rm	101	15600	250	280	0.0754	0.34	0.23	431	529
3x300/25 rm	107	18250	250	300	0.0601	0.33	0.25	492	608
20.3/35 (42) kV									
3x35/16 rm	77	6500	250	220	0.524	0.47	0.11	154	172
3x50/16 rm	80	7200	250	220	0.387	0.45	0.12	181	205
3x70/16 rm	85	9050	250	240	0.268	0.42	0.14	220	253
3x95/16 rm	89	10250	250	260	0.193	0.40	0.15	263	307
3x120/16 rm	93	11400	250	260	0.153	0.39	0.16	298	352
3x150/25 rm	96	12600	250	260	0.124	0.37	0.17	332	397
3x185/25 rm	100	14200	250	280	0.0991	0.36	0.19	374	453
3x240/25 rm	106	16500	250	300	0.0754	0.34	0.21	431	529
3x300/25 rm	112	19200	250	320	0.0601	0.33	0.23	492	608