CONSTRUCTION

1 Copper conductor (class 1-2)
2 PVC insulation
3 PVC filler
4 PVC outer sheath

SPECIFICATIONS

Code : NYY
Standards : VDE 0276 -603
Rated Voltage : Uo/U=0.6/1 kV

Application :
Used in illumination and energy networks as installation cables internally, externally or underground where there is no mechanical stress.

Temperature Range

Max. Operating Temperature

Short Circuit Temperature


Flame Retardant
IEC 60332 -1-2

Min. Bending Radius

RoHS

PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section	Overall diameter (approx.)	Net weight (approx.)	Delivery drum type for 1000 m. cable	Conductor DC resistance at 20°C	Current carrying capacity in (30°C)			
					Earth		Air	
mm²	mm	kg/km	cm	Ω / km (max.)	A ⊙ ⊙ ⊙	A	A ⊙ ⊙ ⊙	A
1x4 re	7	88	60	4.61	71	50	47	37
1x6 re	8	110	60	3.08	90	62	59	47
1x10 rm	9	160	60	1.83	124	83	81	64
1x16 rm	10	225	70	1.15	160	107	107	84
1x25 rm	11	330	70	0.727	208	138	144	114
1x35 rm	12	420	80	0.524	250	164	176	139
1x50 rm	14	560	90	0.387	296	195	214	169
1x70 rm	16	760	90	0.268	365	238	270	213
1x95 rm	18	1030	110	0.193	438	286	334	264
1x120 rm	20	1270	120	0.153	501	325	389	307
1x150 rm	21	1560	120	0.124	563	365	446	352
1x185 rm	24	1940	130	0.0991	639	413	516	406
1x240 rm	27	2500	140	0.0754	746	479	618	483
1x300 rm	30	3180	150	0.0601	848	541	717	557
1x400 rm	33	4050	160	0.0470	975	614	843	646
1x500 rm	37	5100	180	0.0366	1125	693	994	747

PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section		Overall diameter (approx.)	Net weight (approx.)	Delivery length	Delivery drum type	Conductor DC resistance at 20°C	Current carrying capacity in (30°C)	
							Earth	Air
mm^2		mm	kg/km	m	cm	Ω / km (max.)	A	A
2x1.5	re	10	140	1000	70	12.1	27	19.5
2x2.5	re	11	180	1000	70	7.41	36	25
2x4	re	12	250	1000	80	4.61	47	34
2x4	rm	13	270	1000	80	4.61	47	34
2x6	re	14	320	1000	80	3.08	59	43
2x6	rm	15	350	1000	90	3.08	59	43
2x10	rm	16	480	1000	100	1.83	79	59
2x16	rm	18	650	1000	110	1.15	102	79
2x25	rm	21	930	1000	120	0.727	133	106
2x35	rm	23	1.180	1000	130	0.524	159	129
2x50	rm	27	1.600	1000	140	0.387	188	157
3x1.5	re	10	164	1000	70	12.1	27	19.5
3x2.5	re	11	210	1000	70	7.41	36	25
3x4	re	13	300	1000	80	4.61	47	34
3x6	re	14	385	1000	90	3.08	59	43
3x10	rm	18	580	1000	100	1.83	79	59
3x16	rm	20	810	1000	110	1.15	102	79
3x25	rm	23	1.160	1000	130	0.727	133	106
3x35	rm	25	1.525	1000	140	0.524	159	129
3x50	rm	29	2.050	1000	150	0.387	188	157
3x16/10	rm	21	990	1000	120	1.15	102	79
3x25/16	rm	24	1.430	1000	130	0.727	133	106
3x35/16	rm	26	1.760	1000	140	0.524	159	129
3x50/25	rm	30	2.430	1000	150	0.387	188	157
3x70/35	rm	34	3.280	1000	180	0.268	232	199
3x95/50	rm	39	4.450	1000	200	0.193	280	246
3x120/70	rm	43	5.640	500	160	0.153	318	285
3x150/70	rm	47	6.680	500	180	0.124	359	326
3x185/95	rm	52	8.400	500	210	0.0991	406	374
3x240/120	rm	60	10.800	500	220	0.0754	473	445
3x300/150	rm	66	13.650	500	240	0.0601	535	511
4x1.5	re	11	195	1000	70	12.1	27	19.5
4x2.5	re	12	250	1000	80	7.41	36	25
4x4	re	14	370	1000	90	4.61	47	34
4x4	rm	15	390	1000	90	4.61	47	34
4x6	re	16	470	1000	100	3.08	59	43
4x6	rm	17	500	1000	100	3.08	59	43
4x10	rm	19	720	1000	110	1.83	79	59
4x16	rm	22	1.010	1000	120	1.15	102	79
4x25	rm	25	1.480	1000	140	0.727	133	106
4x35	rm	28	1.940	1000	150	0.524	159	129
4x50	rm	32	2.620	1000	160	0.387	188	157
4x70	rm	36	3.600	1000	180	0.268	232	199
4x95	rm	42	4.900	1000	200	0.193	280	246
4x120	rm	46	6.050	500	180	0.153	318	285
4x150	rm	51	7.400	500	200	0.124	359	326
4x185	rm	56	9.150	500	220	0.0991	406	374
4x240	rm	64	11.900	500	240	0.0754	473	445
4x300	rm	72	15.000	500	260	0.0601	535	511
5x1.5	re	12	230	1000	80	12.1	27	19.5
5x2.5	re	13	300	1000	80	7.41	36	25
5x4	re	16	450	1000	100	4.61	47	34
5x6	re	17	575	1000	100	3.08	59	43
5x10	rm	21	880	1000	120	1.83	79	59
5x16	rm	24	1.230	1000	130	1.15	102	79
5x25	rm	28	1.800	1000	150	0.727	133	106