

NYY Flexible

Single Core (Cu/PVC/PVC)

APPLICATION

Power cables for energy supply are installed in open air, in underground, in water, indoors, in cable ducts, power stations for industry and distribution boards as well as in subscriber networks, where mechanical damages are not to be expected.



STANDARD

IEC 60502-1
VDE 0271/3.69 & DIN VDE 0276-603

VOLTAGE GRADE

U₀/U (Um) : 0.6/1.0 (1.2) kV
Permissible Service Voltage: 0.72/1.2 kV

COLOR

Insulated core :  (Black)
Sheath :  (Black or Other Colors available on request)

CONSTRUCTION

Conductor: Flexible, Plain annealed Copper, Class-5 to IEC 60228

Insulation: PVC, PVC/A to IEC 60502-1

Sheath: PVC, ST-1 to IEC 60502-1



PHYSICAL DATA							ELECTRICAL DATA	
Nominal cross sectional area of conductor	Shape of Conductor	No. of strands & diameter of wire	Nominal thickness of insulation	Nominal thickness of sheath	Approx. Overall diameter	Approx. weight of cable	Max. D.C resistance of conductor at 20°C	Current Carrying Capacity at 35°C ambient temp.
Core x mm ²	-	nos./mm	mm	mm	mm	kg/km	W/km	Amp
1 x 1.0	rm	32/0.20	0.8	1.8	6.9	60	19.5	15
1 x 1.5	rm	30/0.25	0.8	1.8	7.2	70	13.3	24
1 x 2.5	rm	50/0.25	0.8	1.8	7.8	88	7.98	32
1 x 4.0	rm	56/0.30	1.0	1.8	8.6	110	7.98	41
1 x 6	rm	84/0.30	1.0	1.8	9.3	140	4.95	52
1 x 10	rm	80/0.40	1.0	1.8	10.3	190	3.30	72
1 x 16	rm	126/0.40	1.0	1.8	11.7	265	1.91	98
1 x 25	rm	196/0.40	1.2	1.8	13.6	280	0.780	131
1 x 35	rm	276/0.40	1.2	1.8	15	488	0.554	167
1 x 50	rm	396/0.40	1.4	1.8	17.2	672	0.386	204
1 x 70	rm	360/0.50	1.4	1.8	19.1	890	0.272	256
1 x 95	rm	475/0.50	1.6	1.8	21.6	1170	0.206	314
1 x 120	rm	608/0.50	1.6	1.8	23.4	1428	0.161	366
1 x 150	rm	756/0.50	1.8	1.8	25.7	1750	0.129	423
1 x 185	rm	925/0.50	2.0	2.0	28.5	2190	0.106	478
1 x 240	rm	1221/0.50	2.2	2.0	30.8	2750	0.0801	580
1 x 300	rm	1525/0.50	2.4	2.0	33.5	3400	0.0641	666
1 x 400	rm	2013/0.50	2.6	2.2	38.4	4450	0.0486	800
1 x 500	rm	1769/0.60	2.8	2.2	42.0	5560	0.0384	935
1 x 630	rm	2257/0.60	2.8	2.2	46.4	6940	0.0287	1068

Current ratings are valid for cables laid under defined conditions at page no. 165. For current ratings at deviated conditions, apply correction factor as given on page no. 165-17

Characteristics



Installation condition

