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UNARMoured ENERGY CABLE NYY

A 600/1000 Volt power cable for fixed energy supply where mechanical protection is not of primary consideration. Suitable for both indoor and outdoor applications in free air, ducts or direct burial, subject to regulations locally. A cost effective solution for power and control applications with weight and termination time savings due to lack of mechanical armour.

CONSTRUCTION

Plain copper conductor solid, class 1, or stranded, class 2, PVC insulation colour coded, cores laid up with fully filled inner sheathing compound with black PVC sheath overall.

TECHNICAL DATA

VDE 0276 pt 603 to 5 cores pt 627 7 cores and above. IEC 60502-1

Nominal Voltage	600/1000V
Test Voltage	2000V
Operating Temperature Mobile	-30°C to +70°C
Bending Radius	15 times O/D single core 12 times O/D multi core
Flame Propagation	BS EN 60332-1-2
Current Rating Table	Please request Data Sheet

Note - Minimum installation temperature 0°C



NYJ-J core identification chart -

●	Single Core: Green/Yellow
● ● ●	3 core: Brown - Blue - Green/Yellow
● ● ● ●	4 core: Brown - Black - Grey - Green/Yellow
● ● ● ● ●	5 core: Brown - Black - Grey - Blue - Green/Yellow
○ ○ ○ ○ ○ ○	7+ core: Number Coded plus Green/Yellow

NYJ-O core identification chart -

●	Single Core: Black
● ●	2 core: Brown - Blue
● ● ●	3 core: Brown - Black - Grey
● ● ● ●	4 core: Brown - Black - Grey - Blue
● ● ● ● ●	5 core: Brown - Black - Grey - Blue - Black
○ ○ ○ ○ ○ ○	7+ core: Number Coded

NYJ CABLE DIMENSIONS

Single Core x mm ²	Nom Dim mm	Weight kg / km	Cores x mm ²	Nom Dim mm	Weight kg / km
16.0	11.0	260	2 x 1.5	11.5	190
25.0	12.5	370	2 x 2.5	12.5	230
35.0	13.5	490	2 x 4.0	14.0	310
50.0	15.5	640	2 x 6.0	15.0	370
70.0	17.0	830	2 x 10.0	16.5	500
95.0	19.0	1110	2 x 16.0	18.5	660
120.0	20.5	1350	3 x 1.5	12.0	210
150.0	22.5	1650	3 x 2.5	13.0	260
240.0	24.5	2040	3 x 4.0	14.5	360
300.0	27.5	2610	3 x 6.0	16.0	440
400.0	30.5	3300	3 x 10.0	17.5	600
500.0	33.5	4200	3 x 16.0	19.5	820
630.0	38.0	5160	3 x 25.0	23.5	1250
			4 x 1.5	13.0	250
			4 x 2.5	14.0	310
			4 x 4.0	15.5	420
			4 x 6.0	17.0	530
			4 x 10.0	19.0	730
			4 x 16.0	21.5	1030
			4 x 25.0	25.5	1550
			4 x 35.0	28.5	2050
			5 x 1.5	13.5	290
			5 x 2.5	15.0	360
			5 x 4.0	17.0	500
			7 x 1.5	14.5	340
			7 x 2.5	15.8	425

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