NYM-J PVC WIRING CABLE BS EN 50265-2-1

APPLICATION

PVC wiring cable, indoor and outdoor use. Suitable for industrial or domestic applications and designed for dry, moist or wet open areas i.e. under plaster and in concrete. Not suitable for exposure to direct sunlight.

CABLE STANDARDS

BS EN 50265-2-1

IEC 60502

VDE 0250

CONSTRUCTION

Up to 10mm²: Solid copper (Class 1)
16mm² : Stranded copper (Class 2)

Insulation: PVC to IEC 60332-1-2

Sheath: PVC to IEC 60332-1-2

CHARACTERISTICS

Voltage Rating: 300/500 Volts

Temperature Limits: -30°C to +70°C

Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

2 Core: Brown Blue
3 Core: Brown Blue Green/Yellow
4 Core: Brown Black Grey Green/Yellow
5 Core: Brown Black Grey Blue Green/Yellow
7 core and above: 1 Black with White Numbers

Should not be installed below 0°C

NYM-J PVC WIRING CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM^2)	STRANDING (MM)	NO OF CORES	WEIGHT (KG/KM)
NYMJ3X1/5	1.5	1/1.38	3	120
NYMJ4X1/5*	1.5	1/1.38	4	140
NYMJ5X1/5	1.5	1/1.38	5	170
NYMJ7X1/5	1.5	1/1.38	7	210
NYMJ12X1/5	1.5	1/1.38	12	405
NYMJ3X2/5	2.5	1/1.78	3	165
NYMJ4X2/5*	2.5	1/1.78	4	200
NYMJ5X2/5	2.5	1/1.78	5	245
NYMJ3X4	4	1/2.25	3	240
NYMJ5X4	4	1/2.25	5	370
NYMJ3X6	6	1/2.76	3	330
NYMJ5X6	6	1/2.76	5	406
NYMJ3X10	10	1/3.56	3	510
NYMJ5X10	10	1/3.56	5	770
NYMJ3X16	16	7/1.70	3	740
NYMJ5X16	16	7/1.70	5	1150

NYM-J PVC - CURRENT CARRYING CAPACITY (AMPERES)

NOMINAL CROSS SECTIONAL AREA (MM^2)	DC RESISTANCE AT 20^oC Ω	AC RESISTANCE AT 70^oC Ω	INDUCTANCE mH/km	CURRENT CARRYING CAPACITY AMPS
1.5	12.1	1.5	0.329	19
2.5	7.41	2.5	0.318	25
4	4.61	4	0.297	34
6	3.08	6	0.281	43
10	1.83	10	0.278	61
16	1.15	16	0.255	79

NYM-J PVC - VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA (MM^2)	TWO CORE CABLE DC MV/A/M	TWO CORE CABLE SINGLE PHASE AC MV/A/M	THREE OR FOUR CORE CABLE THREE PHASE AC MV/A/M
1.5	31	31	27
2.5	19	19	16
4	12	12	10
6	7.9	7.9	6.8
10	4.7	4.7	4
16	2.9	2.9	2.5

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS