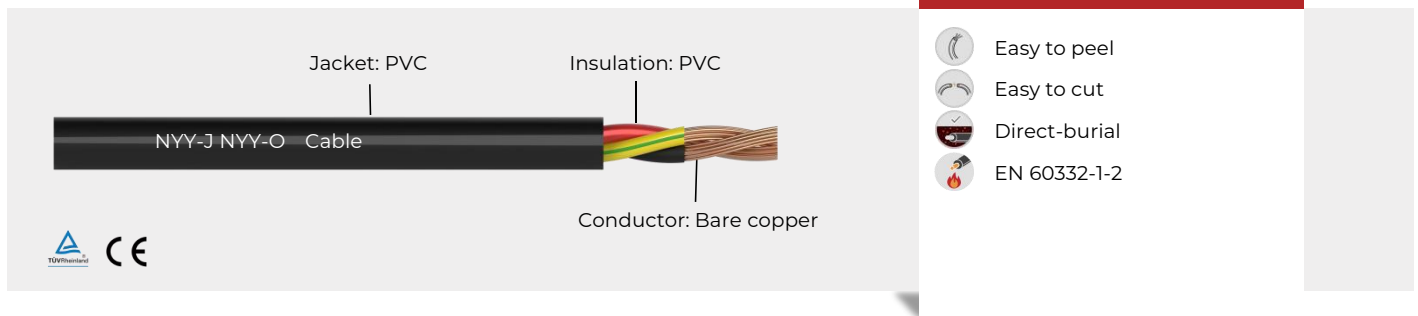






## NYY-J NYY-O Cable



### Advantage

-  Easy to peel
-  Easy to cut
-  Direct-burial
-  EN 60332-1-2

### Characteristics

- Temperature range  
-15°C ~ +70°C
- During Installation  
-5°C ~ +50°C
- Voltage Rating  
U<sub>0</sub>/U 0.6/1 kV
- Test voltage  
4000V AC
- According to  
IEC60502-1
- Certificate Number  
R 50587238
- "O": without protective conductor GN/YE
- "J": with protective conductor GN/YE

### Cable Structure

- Conductor: Class 5 flexible copper conductor
  - Insulation: PVC
- Core identification code:  
Up to 5 cores: colour coded acc. to VDE 0293-308  
From 6 cores: black with white numbers
- Outer sheath: PVC colour: black

### Test Item

- Heat shock test acc. to IEC 60811-509
- Flame retardant acc. to IEC 60332-1-2
- Direct-burial - 15 °C acc. to IEC 60811-504
- Water absorption acc. to IEC 60811-402

### Application

NYY are cables with an insulation and an outer sheathing of PVC, They are used for fixed installation in dry or damp rooms as well as outdoors, underground and under water. Multi core cables have a common core covering over the twisted cores or a filler.

### 1 Core

Cross Section (mm <sup>2</sup> )	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max.(Ω/km, 20°C)
1×1.5	1.6	0.80	1.40	6.20±0.30	52	13.3
1×2.5	2.0	0.80	1.40	6.60±0.30	65	7.98
1×4	2.6	1.00	1.40	7.60±0.30	91	4.95
1×6	3.2	1.00	1.40	8.30±0.50	116	3.30
1×10	4.2	1.00	1.40	9.30±0.50	169	1.91
1×16	5.6	1.00	1.40	10.80±0.50	232	1.21
1×25	7.0	1.20	1.40	12.60±0.50	338	0.780
1×35	8.2	1.20	1.40	13.80±0.50	444	0.554
1×50	10.0	1.40	1.50	16.20±0.50	625	0.386
1×70	11.9	1.40	1.50	18.20±0.80	840	0.272
1×95	13.7	1.60	1.60	20.60±0.80	1095	0.206

## 2 core

Cross Section (mm <sup>2</sup> )	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max.(Ω/km, 20°C)
2×1.5	1.6	0.80	1.80	10.80±0.60	126	13.3
2×2.5	2.0	0.80	1.80	11.60±0.60	156	7.98
2×4	2.6	1.00	1.80	13.80±0.60	220	4.95
2×6	3.2	1.00	1.80	14.80±0.60	275	3.30
2×10	4.2	1.00	1.80	17.00±0.80	396	1.91
2×16	5.6	1.00	1.80	19.80±0.80	542	1.21
2×25	7.0	1.20	1.80	23.30±1.00	784	0.780
2×35	8.2	1.20	1.80	25.80±1.20	1021	0.554
2×50	10.0	1.40	1.93	30.60±1.20	1433	0.386
2×70	11.9	1.40	2.10	34.80±1.50	1939	0.272
1×95	13.7	1.60	1.60	20.60±0.80	1095	0.206

## 3 core

Cross Section (mm <sup>2</sup> )	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max.(Ω/km, 20°C)
3×1.5	1.6	0.80	1.80	11.30±0.60	151	13.3
3×2.5	2.0	0.80	1.80	12.20±0.60	192	7.98
3×4	2.6	1.00	1.80	14.30±0.60	275	4.95
3×6	3.2	1.00	1.80	15.50±0.60	352	3.30
3×10	4.2	1.00	1.80	17.80±0.80	520	1.91
3×16	5.6	1.00	1.80	20.70±0.80	719	1.21
3×25	7.0	1.20	1.80	24.60±1.00	1054	0.780
3×35	8.2	1.20	1.83	27.30±1.20	1392	0.554
3×50	10.0	1.40	2.00	32.70±1.20	1968	0.386
3×70	11.9	1.40	2.14	37.00±1.50	2670	0.272
3×95	13.7	1.60	2.32	42.00±1.50	3489	0.206

### 4 core

Cross Section (mm <sup>2</sup> )	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max.(Ω/km, 20°C)
4×1.5	1.6	0.80	1.80	12.10±0.60	182	13.3
4×2.5	2.0	0.80	1.80	13.20±0.60	233	7.98
4×4	2.6	1.00	1.80	15.50±0.60	340	4.95
4×6	3.2	1.00	1.80	16.90±0.60	439	3.30
4×10	4.2	1.00	1.80	19.50±0.80	657	1.91
4×16	5.6	1.00	1.80	22.80±0.80	915	1.21
4×25	7.0	1.20	1.82	27.20±1.00	1354	0.780
4×35	8.2	1.20	1.93	30.50±1.20	1807	0.554
4×50	10.0	1.40	2.12	36.20±1.20	2560	0.386
4×70	11.9	1.40	2.28	41.20±1.50	3483	0.272
4×95	13.7	1.60	2.48	46.80±1.50	4558	0.206

### 5 core

Cross Section (mm <sup>2</sup> )	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max.(Ω/km, 20°C)
5×1.5	1.6	0.80	1.80	13.00±0.60	213	13.3
5×2.5	2.0	0.80	1.80	14.20±0.60	276	7.98
5×4	2.6	1.00	1.80	16.80±0.60	407	4.95
5×6	3.2	1.00	1.80	18.40±0.60	529	3.30
5×10	4.2	1.00	1.80	21.20±0.80	798	1.91
5×16	5.6	1.00	1.80	24.90±0.80	1117	1.21
5×25	7.0	1.20	1.92	30.00±1.00	1674	0.780
5×35	8.2	1.20	2.04	33.60±1.20	2237	0.554
5×50	10.0	1.40	2.25	40.00±1.20	3172	0.386
5×70	11.9	1.40	2.43	45.60±1.50	4323	0.272
5×95	13.7	1.60	2.65	52.00±1.50	5660	0.206

## 6 core

Cross Section (mm <sup>2</sup> )	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max.(Ω/km, 20°C)
6×1.5	1.6	0.80	1.80	14.00±0.60	246	13.3
6×2.5	2.0	0.80	1.80	15.40±0.60	321	7.98
6×4	2.6	1.00	1.80	18.30±0.80	477	4.95
6×6	3.2	1.00	1.80	20.00±0.80	622	3.30
6×10	4.2	1.00	1.80	23.20±1.00	944	1.91
6×16	5.6	1.00	1.80	27.20±1.00	1325	1.21
6×25	7.0	1.20	2.02	33.00±1.20	2006	0.780
6×35	8.2	1.20	2.16	37.10±1.20	2685	0.554
6×50	10.0	1.40	2.39	44.20±1.50	3810	0.386
6×70	11.9	1.40	2.59	50.30±1.50	5196	0.272
6×95	13.7	1.60	2.84	57.50±1.80	6808	0.206

## 7 core

Cross Section (mm <sup>2</sup> )	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max.(Ω/km, 20°C)
7×1.5	1.6	0.80	1.80	14.00±0.60	257	13.3
7×2.5	2.0	0.80	1.80	15.40±0.60	339	7.98
7×4	2.6	1.00	1.80	18.30±0.80	506	4.95
7×6	3.2	1.00	1.80	20.00±0.80	667	3.30
7×10	4.2	1.00	1.80	23.20±1.00	1023	1.91
7×16	5.6	1.00	1.80	27.20±1.00	1438	1.21
7×25	7.0	1.20	2.02	33.00±1.20	2182	0.780
7×35	8.2	1.20	2.16	37.10±1.20	2932	0.554
7×50	10.0	1.40	2.39	44.20±1.50	4161	0.386
7×70	11.9	1.40	2.59	50.30±1.50	5694	0.272
7×95	13.7	1.60	2.84	57.50±1.80	7466	0.206