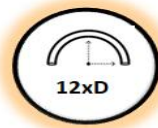
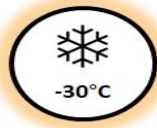


## Cablu cu izolatie si manta de PVC



## PVC - insulated and sheathed cable



**Standard de fabricatie:** VDE 0250/204  
**Tensiune nominala  $U_0/U$ :** 0.3/0.5 kV  
**Tensiunea de incercare:** 2 kV, 5 min, 50 Hz

### Domeniul de utilizare

Pentru transportul energiei electrice in instalatii fixe.  
 Pot fi folosite in medii inchise sau deschise, in medii uscate sau umede, in beton sau zidarie exceptand beton vibrat.  
 Cablurile trebuie protejate impotriva agentilor corozivi, a solventilor chimici.

**Temperatura minima de instalare pe cablu:** -5°C  
**Temperatura maxima de lucru:** +70°C  
**Temperatura maxima de scurt-circuit:** +160°C

### Conductor de cupru

Conductor rotund unifilar (re) sau rotund multifilar (rm);  
 SR EN 60228

### Izolatia

PVC tip TII.

### Manta

PVC tip TM1, negru sau gri.  
 Cablurile sunt cu intarziere la propagarea flacarii, incercare conf. SR EN 60332-1-2.

### Marcaj pe manta

SC ELECTROPLAST SA, simbol cablu, tensiune de lucru, an de fabricatie.

### Raza minima de curbura la instalare

12 x diametrul cablului

### Forta maxima de tractiune la pozare

50 N/mm<sup>2</sup>

### Cod de culori

- 2 conductoare: albastru, maro
- 3 conductoare (-O): maro, negru, gri  
 (-J) galben-verde, albastru, maro
- 4 conductoare (-O): albastru, maro, negru, gri  
 (-J) galben-verde, maro, negru, gri
- 5 conductoare (-O): albastru, maro, negru, gri, negru  
 (-J) galben-verde, albastru, maro, negru, gri

Mai mult de 5 conductoare:

- (-O): conductoare negre, numerotate
- (-J): galben-verde, conductoare negre numerotate

**Standard:** VDE 0250/204  
**Rated voltage  $U_0/U$ :** 0.3/0.5 kV  
**Test voltage:** 2 kV, 5 min, 50 Hz

### Applications

Energy cables for fixed instalations, in open or confined areas, dry or wet environments, in concrete or masonry except vibrant concrete.  
 The cables must be protected against: corrosive chemicals and chemical solvents

**The minimum temperature of the cable during installation:** -5°C

**Max. permissible operating temperature:** +70°C

**Max. short-circuit temperature:** +160°C

### Copper conductor

Solid conductor (re) or concentrically stranded conductor (rm); SR EN 60228

### Insulation

PVC, TII type.

### Sheath

PVC, TM1 type, black or grey.  
 Flame retardant cables, test according to SR EN60332-1-2.

### Sheath marking

SC ELECTROPLAST SA, cable symbol, operational voltage, manufacturing year.

### Min. bending radius at installation

12 x cable diameter

### Max. tensile strain during installation

50 N/mm<sup>2</sup>

### Color coding

- 2 conductors: blue, brown
- 3 conductors (-O): brown, black, grey  
 (-J) yellow-green, blue, brown
- 4 conductors: (-O) blue, brown, black, grey  
 (-J) yellow-green, brown, black, grey
- 5 conductors: (-O) blue, brown, black, grey, black  
 (-J) yellow-green, blue, brown, black, grey

More than 5 conductors:

- (-O): numbered black conductors
- (-J): yellow-green, numbered black conductors

# NYM (-J/-O)



## Cablu cu izolatie si manta de PVC

## PVC - insulated and sheathed cable

Tipodimensiune cablu <i>Cable size</i>	Tip conduc tor <i>Cond. type</i>	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i>	Diametru exterior nominal <i>Nominal outer diameter</i>	Masa inf <i>Mass inf</i>
		Ω/km	mm	kg/km
2x1.5	re	12.1	7.9	104
2x2.5	re	7.41	8.6	143
2x4	re	4.61	9.6	197
2x6	re	3.08	11.0	240
2x10	re	1.83	13.8	385
2x16	rm	1.15	16.4	568
2x25	rm	0.727	20.0	844
2x35	rm	0.524	22.0	1101
3x1.5	re	12.1	8.1	116
3x2.5	re	7.41	8.9	154
3x4	re	4.61	9.9	210
3x6	re	3.08	11.4	292
3x10	re	1.83	14.3	470
3x16	rm	1.15	17.1	703
3x25	rm	0.727	20.8	1070
3x35	rm	0.524	22.9	1368
4x1.5	re	12.1	8.9	146
4x2.5	re	7.41	9.9	193
4x4	re	4.61	11.0	265
4x6	re	3.08	12.8	367
4x10	re	1.83	16.1	603
4x16	rm	1.15	19.2	884
4x25	rm	0.727	23.4	1360
4x35	rm	0.524	25.9	1766
5x1.5	re	12.1	9.7	169
5x2.5	re	7.41	10.7	228
5x4	re	4.61	11.9	307
5x6	re	3.08	14.3	447
5x10	re	1.83	17.6	711
5x16	rm	1.15	21.2	1043
5x25	rm	0.727	25.8	1614
5x35	rm	0.524	28.5	2110
7x1.5	re	12.1	10.4	207
7x2.5	re	7.41	11.6	285