

# PVC Flat 2C+E & 3C+E

## Contact

OLEX CUSTOMER SERVICE - Purchase orders, invoices, general enquiries  
Phone: 1300 CABLES  
olex.customerservice@nexans.com

2 & 3 core+earth flat, 450/750V V-90 insulated, PVC sheathed to AS/NZS 5000.2, copper conductors, 90°C. Manufactured in accordance with PVC Best Practice Guidelines.

## DESCRIPTION

- 2 & 3 core+earth flat,
- 450/750V V-90 insulated,
- PVC sheathed to AS/NZS 5000.2,
- Copper conductors, 90°C.

Twin & Earth, Flats



## STANDARDS

**National** AS/NZS 1125; AS/NZS 5000.2

## CHARACTERISTICS

### Construction characteristics

With Green/Yellow core	Yes
Insulation	V-90
Outer sheath	PVC

### Dimensional characteristics

Number of earth cores	1
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### Electrical characteristics

Rated Voltage U <sub>o</sub> /U (Um)	450 / 750 V
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### Usage characteristics

Bending factor when laying	6 (xD)
Bending factor when installed	4 (xD)



Rated Voltage U<sub>o</sub>/U (Um)  
450 / 750 V



Bending factor when laying  
6 (xD)

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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## PVC FLAT 2 CORES + EARTH

Cross section [mm <sup>2</sup> ]	Type of conductor	Nom. insulation thick. [mm]	Nom. outer sheath thick. [mm]	Earth cond. sect. [mm <sup>2</sup> ]	Nom. over. diam.	Approx. weight [kg/100m]	Nexans ref.
1	Solid copper	0.6	0.9	1	8.9 x 4.2	7.74	CNCP02A1002WVAA
1	Solid copper	0.6	0.9	1	8.9 x 4.2	7.74	CNCP02A2002WVAA
1	Solid copper	0.6	0.9	1	8.9 x 4.2	7.74	CNCP02AA002
1.5	Stranded copper	0.6	0.9	1.5	9.9 x 4.5	8.86	CNCP05A1002WVAA
1.5	Stranded copper	0.6	0.9	1.5	9.9 x 4.5	13.29	CNCP05A1502WVAA
1.5	Stranded copper	0.6	0.9	1.5	9.9 x 4.5	8.86	CNCP05A5002WVAA
1.5	Stranded copper	0.6	0.9	1.5	9.9 x 4.5	8.86	CNCP05AA002
1.5	Stranded copper	0.6	0.9	1.5	9.9 x 4.5	8.86	CNCP05X1002WVAA
2.5	Solid copper	0.7	1.0	2.5	11.8 x 5.4	13.68	CNCP06AA002
2.5	Stranded copper	0.7	1.0	2.5	12.2 x 5.4	14.03	CNCP07A1002BKAA
2.5	Stranded copper	0.7	1.0	2.5	12.2 x 5.4	14.03	CNCP07A1002WVAA
2.5	Stranded copper	0.7	1.0	2.5	12.2 x 5.4	14.03	CNCP07A1502WVAA
2.5	Stranded copper	0.7	1.0	2.5	12.2 x 5.4	14.03	CNCP07A5002BKAA
2.5	Stranded copper	0.7	1.0	2.5	12.2 x 5.4	14.03	CNCP07A5002WVAA
2.5	Stranded copper	0.7	1.0	2.5	12.2 x 5.4	14.03	CNCP07AA002
2.5	Stranded copper	0.7	1.0	2.5	12.2 x 5.4	14.03	CNCP07X1002WVAA
2.5	Stranded copper	0.7	1.0	2.5	12.2 x 5.4	14.03	CNCP07X5002WVAA
4	Stranded copper	0.8	1.1	2.5	13.9 x 6.3	18.65	CNCP09A1002BKAA
4	Stranded copper	0.8	1.1	2.5	13.9 x 6.3	18.65	CNCP09A1002WVAA
4	Stranded copper	0.8	1.1	2.5	13.9 x 6.3	18.65	CNCP09A5002BKAA
4	Stranded copper	0.8	1.1	2.5	13.9 x 6.3	18.65	CNCP09A5002WVAA
4	Stranded copper	0.8	1.1	2.5	13.9 x 6.3	18.65	CNCP09AA002
4	Stranded copper	0.8	1.1	2.5	13.9 x 6.3	18.65	CNCP09X1002WVAA
6	Stranded copper	0.8	1.1	2.5	15.0 x 6.9	23.04	CNCP11A1002WVAA

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Cross section [mm <sup>2</sup> ]	Type of conductor	Nom. insulation thick. [mm]	Nom. outer sheath thick. [mm]	Earth cond. sect. [mm <sup>2</sup> ]	Nom. over. diam.	Approx. weight [kg/100m]	Nexans ref.
6	Stranded copper	0.8	1.1	2.5	15.0 x 6.9	23.04	CNCP11A5002BKAA
6	Stranded copper	0.8	1.1	2.5	15.0 x 6.9	23.04	CNCP11A5002WVAA
6	Stranded copper	0.8	1.1	2.5	15.0 x 6.9	23.04	CNCP11AA002
10	Stranded copper	1.0	1.2	4	18.3 x 8.3	36.05	CNCP13A1002WVAA
10	Stranded copper	1.0	1.2	4	18.3 x 8.3	36.05	CNCP13A5002WVAA
16	Stranded copper	1.0	1.3	6	21.0 x 9.5	51.46	CNCP15A1002WVAA
16	Stranded copper	1.0	1.3	6	21.0 x 9.5	51.46	CNCP15A5002WVAA









## PVC FLAT 3 CORES + EARTH

Cross section [mm <sup>2</sup> ]	Type of conductor	Nom. insulation thick. [mm]	Nom. outer sheath thick. [mm]	Earth cond. sect. [mm <sup>2</sup> ]	Nom. over. diam.	Approx. weight [kg/100m]	Nexans ref.
1.5	Stranded copper	0.6	0.9	1.5	12.6 x 4.5	11.54	ENCP05A1003WVAA
2.5	Stranded copper	0.7	1.0	2.5	15.7 x 5.4	18.31	ENCP07A1003WVAA
2.5	Stranded copper	0.7	1.0	2.5	15.7 x 5.4	18.31	ENCP07A5003WVEC









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## PVC FLAT WITH EARTH - CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS)

Copper Conductor Insulation PVC Maximum Conductor Temperature 75C









Conductor cross-section [mm <sup>2</sup> ]								
	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu
1	15	14	11	7	13	10	6	17
1.5	19	18	14	9	16	13	8	21
2.5	27	26	20	13	23	19	12	30
4	37	34	27	17	30	24	15	39
6	46	44	35	22	39	31	20	50
10	64	60	48	30	52	42	26	66
16	85	80	64	40	68	54	34	86









 Unenclosed spaced	 Unenclosed touching	 Unenclosed and partially surrounded by thermal insulation
 Unenclosed and completely surrounded by thermal insulation	 Enclosed conduit in air	 Enclosed, partially surrounded by thermal insulation
 Enclosed, completely surrounded by thermal insulation	 Underground ducts	

## PVC FLAT WITH EARTH - CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS)

Copper Conductor Insulation PVC Maximum Conductor Temperature 75C

Conductor cross-section [mm <sup>2</sup> ]								
	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu
1	13	12	9	6	11	9	5	14
1.5	16	15	12	8	14	11	7	18
2.5	23	22	17	11	20	16	10	25
4	31	29	23	15	25	20	13	33

 Unenclosed spaced	 Unenclosed touching	 Unenclosed and partially surrounded by thermal insulation
 Unenclosed and completely surrounded by thermal insulation	 Enclosed conduit in air	 Enclosed, partially surrounded by thermal insulation
 Enclosed, completely surrounded by thermal insulation	 Underground ducts	