

**6241Y 6242Y 6243Y PVC Insulated PVC Sheathed Flat Cable with Earth Wire**

**SPECIFICATIONS AND STANDARDS:**

1. IEC 60228 & BS 6004.
2. Number of cores :  
Single core: brown or blue;  
Twin core: brown and blue, or for 2 x 1,0 and 2 x 1,5 cables , brown and brown  
3-core: brown, black (centre core) and grey.



**APPLICATIONS:**

PVC Insulated PVC sheathed Flat Cable is for fixed installation in dry or damp premises. Suitable for installation in walls, on boards and in channels or embedded in plaster.

**CONSTRUCTION:**

1. Conductors: Annealed copper, solid class 1 (RE) or stranded conductor class 2 (RM) acc. to BS EN 60228
2. Insulation: special PVC compound type T11;
3. Sheath: special PVC compound type 6;
4. Maximum conductor operating temperature: +70°C
5. Lowest ambient temperature for fixed installation: -30°C;
6. Lowest installation temperature: -5°C;
7. Maximum short-circuit conductor temperature: +160°C;
8. Minimum bending radius: 6 x D, D – overall diameter.

**Technical Parameter of PVC Insulated PVC Sheathed Flat Cable:**

Number and cross-sectional area of conductor	Number of wires in conductor	Nominal thickness of insulation	Nominal thickness of sheath	Cross-sectional area of protective conductor	Approximate overall dimensions	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C
n x mm <sup>2</sup>	n	mm	mm	mm <sup>2</sup>	mm x mm	kg/km	Ω/km
<b>Single Core</b>							
1x1RE	1	0,6	0,9	1RE	4,1x5,2	43	18,1/18,1
1x1,5RE	1	0,7	0,9	1RE	4,6x5,7	52	12,1/18,1
1x1,5RM**	7	0,7	0,9	1RE	4,8x5,9	55	12,1/18,1
<b>Twin Core</b>							
2x1RE	1	0,6	0,9	1RE	4,1x7,5	65	18,1/18,1
2x1,5RE	1	0,7	0,9	1RE	4,8x8,4	83	12,1/18,1



### 300/500V PVC Insulated PVC sheathed Flat Cable with earth wire

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2x1,5RM**	7	0,7	0,9	1RE	4,8x8,8	88	12,1/18,1
2x2,5RE	1	0,8	1,0	1,5RE	5,3x10,0	121	7,41/12,1
2x2,5RM**	7	0,8	1,0	1,5RE	5,6x10,5	129	7,41/12,1
2x4RM	7	0,8	1,0	1,5RE	6,1x11,6	156	4,61/12,1
2x6RM	7	0,8	1,1	2,5RE	6,7x12,9	222	3,08/7,41
2x10RM	7	1,0	1,2	4RM	8,2x16,5	357	1,83/4,61
2x16RM	7	1,0	1,3	6RM	9,4x19,1	516	1,15/3,08
Three Core							
3x1RE	1	0,6	0,9	1RE	4,1x9,8	88	18,1/18,1
3x1,5RE	1	0,7	0,9	1RE	4,6x11,2	113	12,1/18,1
3x2,5RE	1	0,8	1,0	1RE	5,3x13,1	161	7,41/18,1
3x4RM	7	0,8	1,1	1,5RE	6,1x15,7	233	4,61/12,1
3x6RM	7	0,8	1,1	2,5RE	6,7x17,4	311	3,08/7,41
3x10RM	7	1,0	1,2	4RM	8,2x22,2	501	1,83/4,61
3x16RM	7	1,0	1,3	6RM	9,4x25,9	727	1,15/3,08