



# 6241Y, 6242Y, 6243Y

## 300/500V

BS 6004:2012 table 4

PVC insulated and PVC sheathed flat cable with circuit protective conductor (CPC)

### APPLICATIONS

for fixed installation in dry or damp premises. Suitable for installation in walls, on boards and in channels or embedded in plaster.

Standard length cable packing

100 m coils or 500 m on drums.  
Other forms of packing and delivery are available on request.

### CONSTRUCTION

Conductors:

Annealed copper, solid class 1 (RE) or stranded conductor class 2 (RM)  
acc. to BS EN 60228

Insulation:

Special PVC compound type T11 acc. to BS EN 50363-3

Sheath:

Special PVC compound type 6 acc. to BS 7655-4.2

### CHARACTERISTICS

Colour of sheath:

grey, white or other agreed

Core identification:

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

Maximum conductor operating temperature:

+70°C

Lowest ambient temperature for fixed installation:

-30°C

Lowest installation temperature:

-5°C

Maximum short-circuit conductor temperature:

+160°C

Minimum bending radius:

6 x D, D – overall diameter

Test voltage:

2000V



# Reaction to fire

Flame retardant:	EN 60332-1-2
CPR – reaction to fire class (acc. to EN 50575):	Eca

# Approvals

BASEC

# Technical and Electrical Characteristics

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
<b>n × mm<sup>2</sup></b>	<b>n</b>	<b>mm</b>	<b>mm</b>	<b>mm<sup>2</sup></b>	<b>mm x mm</b>	<b>kg/km</b>	<b>Ω/km</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
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
2x2,5RE	1	0,8	1,0	1,5RE	5,3x10,0	121	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
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	1,5RE	5,3x13,4	167	7,41/12,1
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

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