FLAT CABLES



FLAT CABLES with Circuit Protective Conductor



Application

For fixed installation on or under plaster in lighting or power networks of house and public buildings.

Technical data

- manufactured according to BS 6004:2000
- rated voltage Uo/U: 300 / 500 V
- test voltage : 2 kV
- maximum conductor temperature: + 70 °C
- max. conductor temperature at short circuit for 5 s : +160 °C
- temperature of environment: - 30 °C up to +50 °C
- minimum temperature during installation: - 5 °C
- minimum bending radius: 10D (D - height of the cable)
- flame test: flame-retardant acc. to IEC 60332-1
- sheath color - grey or white

Cable design

- copper conductors class 1 or 2 according to BS 6360
- insulation: PVC compound type TI1 according to BS 7655 (HD 21.1)
- sheath: PVC compound type 6 according to BS 7655
- core laid parallel

Core identification

- twin - red and black or red and red (for 2x1,0 and 2x1,.5 mm^2)
- three-core - red, yellow and blue

Flat cables

Number of Conductors and Cross Section	Class of Cu Conductors	Cable size		Copper Weight	Cable Weight
		Height	Width		
No x mm^2		mm	mm	kg/km	kg/km
2 x 1,0	1	4,4	6,8	19,2	56
2 x 1,5	1	4,8	7,7	28,8	73
2 x 1,5	2	5,0	8,1	28,8	79
2 x 2,5	1	5,6	9,0	48,0	107
2 x 2,5	2	5,8	9,6	48,0	114
2 x 4,0	2	6,4	10,7	76,8	159
2 x 6,0	2	7,2	12,1	115,2	211
3 x 1,0	1	4,4	9,2	28,8	80
3 x 1,5	1	4,8	10,5	43,2	106
3 x 2,5	1	5,6	12,5	72,0	157
3 x 4,0	2	6,7	15,2	115,2	240

Gamakabel

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Number of Conductors and Cross Section	Class of Cu Conductors	Cable size	Copper Weight	Cable Weight	Number of Conductors and Cross Section
No x mm^2		mm	mm	kg/km	kg/km
2 x 1,0 + 1,0	1	4,4	7,9	28,8	71
2 x 1,5 + 1,0	1	4,8	8,8	38,4	89
2 x 1,5 + 1,0	2	5,0	9,3	38,4	97
2 x 2,5 + 1,5	1	5,6	10,5	62,4	131
2 x 2,5 + 1,5	2	5,8	11,0	62,4	141
2 x 4,0 + 1,5	2	6,4	12,1	91,2	185
2 x 6,0 + 2,5	2	7,2	13,8	139,2	251
2 x 10,0+ 4,0	2	8,7	17,6	230,4	417
2 x 16,0+ 6,0	2	10,1	20,5	264,8	606
3 x 1,0 + 1,0	1	4,4	10,3	38,4	96
3 x 1,5 + 1,0	1	4,8	11,6	52,8	124
3 x 2,5 + 1,0	1	5,6	13,7	81,6	175
3 x 4,0 + 1,5	2	6,7	16,6	129,6	267