



6181Y

300/500V

Double Insulated Surface Wiring Cable

APPLICATIONS

Fixed Installation in dry or damp areas for domestic and light industrial wiring

Standard length cable packing

500 m or 1000 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, blue, brown, white or other agreed
Core identification:	brown or blue
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 × D, D – overall diameter
Test voltage:	2000V

Fire performance

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

Approvals

BASEC

Technical and Electrical Characteristics

Number and cross-sectional area of conductor	Class of conductor	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C
n × mm²		mm	mm	mm	kg/km	Ω/km
1x1RE	1	0,6	0,8	3,9	26	18,1
1x1,5RE	1	0,7	0,8	4,4	34	12,1
1x2,5RE	1	0,8	0,8	4,9	47	7,41
1x4RM	2	0,8	0,9	5,9	71	4,61
1x6RM	2	0,8	0,9	6,3	90	3,08
1x10RM	2	1,0	0,9	7,6	140	1,83
1x16RM	2	1,0	1,0	8,8	206	1,15
1x25RM	2	1,2	1,1	10,7	314	0,727
1x35RM	2	1,2	1,1	11,8	411	0,524

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