
NON-SHEATHED CABLES FOR FIXED WIRING



INTEGRITY IS DOING THE RIGHT THING, EVEN IF NOBODY IS WATCHING – JIM STOVALL

CABLES OF OUR MANUFACTURE

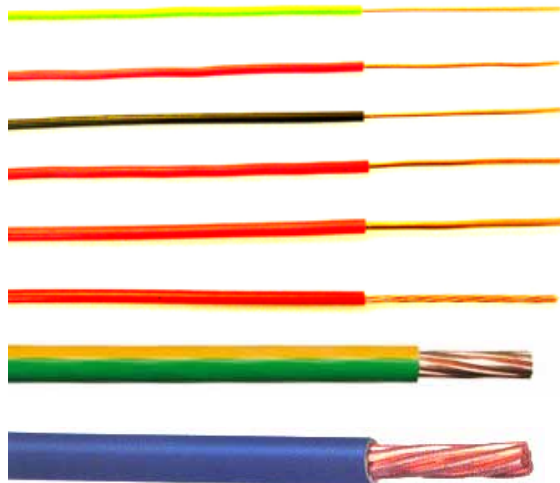
NON-SHEATHED CABLES FOR FIXED WIRING

GS IEC 60227-3, BS 6004

SINGLE-CORE NON-SHEATHED CABLE WITH RIGID CONDUCTOR FOR GENERAL PURPOSES

SINGLE-CORE NON-SHEATHED CABLE WITH SOLID CONDUCTOR FOR INTERNAL WIRING FOR A CONDUCTOR TEMPERATURE OF 70°C

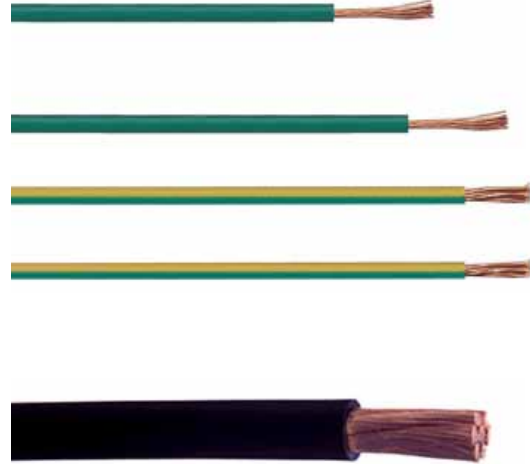
SINGLE-CORE NON-SHEATHED CABLE WITH SOLID CONDUCTOR FOR INTERNAL WIRING FOR A CONDUCTOR TEMPERATURE OF 90°C



SINGLE-CORE NON-SHEATHED CABLE WITH FLEXIBLE CONDUCTOR FOR GENERAL PURPOSES

SINGLE-CORE NON-SHEATHED CABLE WITH FLEXIBLE CONDUCTOR FOR INTERNAL WIRING FOR A CONDUCTOR TEMPERATURE OF 70°C

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APPLICATION:

INDOOR FIXED INSTALLATIONS, INTERNAL WIRING



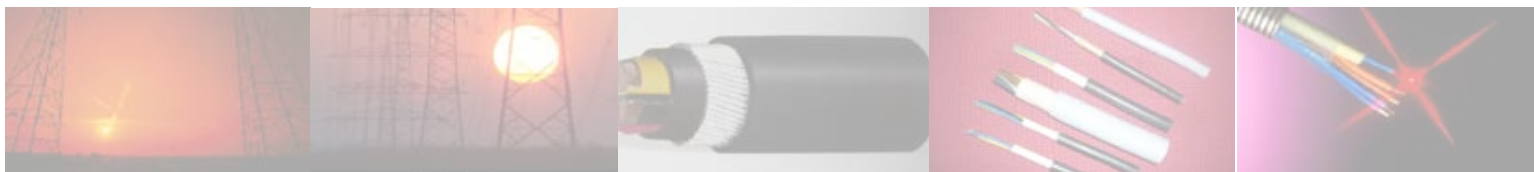
SINGLE-CORE NON-SHEATHED CABLE WITH RIGID CONDUCTOR FOR GENERAL PURPOSES

GS IEC 60227-3, BS 6004

Rated Voltage: 450/750V
 Conductor: Plain annealed copper conductor class 1&2, GS IEC 60228, BS 6360
 Insulation: PVC
 Maximum conductor operating temperature in normal use: 70°C



Nominal cross-sectional area of conductor	Class of conductor IEC 60228	Thickness of insulation	Mean overall diameter		Minimum insulation resistance at 70°C	Max. d.c. resistance @20°C
			Lower limit	Upper limit		
mm ²	mm	mm	mm	mm	MΩ/km	Ω/km
1.5	1	0.7	2.6	3.2	0.011	12.10
1.5	2	0.7	2.7	3.3	0.010	12.10
2.5	1	0.8	3.2	3.9	0.010	7.41
2.5	2	0.8	3.3	4	0.009	7.41
4	1	0.8	3.6	4.4	0.0085	4.61
4	2	0.8	3.8	4.6	0.0077	4.61
6	1	0.8	4.1	5	0.007	3.08
6	2	0.8	4.3	5.2	0.0065	3.08
10	1	1.0	5.3	6.4	0.007	1.83
10	2	1.0	5.6	6.7	0.0065	1.83
16	2	1.0	6.4	7.8	0.005	1.15
25	2	1.2	8.1	9.7	0.005	0.727
35	2	1.2	9.0	10.9	0.0043	0.524
50	2	1.4	10.6	12.8	0.0043	0.387
70	2	1.4	12.1	14.6	0.0035	0.268
95	2	1.6	14.1	17.1	0.0035	0.193
120	2	1.6	15.6	18.8	0.0032	0.153
150	2	1.8	17.3	20.9	0.0032	0.124
185	2	2.0	19.3	23.3	0.0032	0.101
240	2	2.2	22.0	26.6	0.0032	0.0775
300	2	2.4	24.5	29.6	0.003	0.0620
400	2	2.6	27.5	33.2	0.0028	0.0465



SINGLE-CORE NON-SHEATHED CABLE WITH FLEXIBLE CONDUCTOR FOR GENERAL PURPOSES

GS IEC 60227-3, BS 6004

Rated Voltage: 450/750V
 Conductor: annealed plain copper conductor class 5, GS IEC 60228, BS 6360
 Insulation: PVC
 Maximum conductor operating temperature in normal use: 70°C



Nominal cross-sectional area of conductor mm ²	Thickness of insulation mm	Mean overall diameter		Minimum insulation resistance at 70°C MΩ/km	Max. d.c. resistance @20°C Ω/km
		Lower limit mm	Upper limit mm		
1.5	0.7	2.8	3.4	0.010	13.3
2.5	0.8	3.4	4.1	0.009	7.98
4	0.8	3.9	4.8	0.007	4.95
6	0.8	4.4	5.3	0.006	3.3
10	1.0	5.7	6.8	0.0056	1.91
16	1.0	6.7	8.1	0.0046	1.21
25	1.2	8.4	10.2	0.0044	0.78
35	1.2	9.7	11.7	0.0038	0.554
50	1.4	11.5	13.9	0.0037	0.386
70	1.4	13.2	16	0.0032	0.272
95	1.6	15.1	18.2	0.0032	0.206
120	1.6	16.7	20.2	0.0029	0.161
150	1.8	18.6	22.5	0.0029	0.129
185	2.0	20.6	24.9	0.0029	0.106
240	2.2	23.5	28.4	0.0028	0.0801

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SINGLE-CORE NON-SHEATHED CABLE WITH SOLID CONDUCTOR FOR INTERNAL WIRING FOR A CONDUCTOR TEMPERATURE OF 70°C

GS IEC 60227-3, BS 6004

Rated Voltage:	300/500V
Conductor:	Plain annealed copper conductor class 1, GS IEC 60228, BS 6360
Insulation:	PVC
Maximum conductor operating temperature in normal use:	70°C

Nominal cross-sectional area of conductor	Thickness of insulation	Mean overall diameter		Minimum insulation resistance at 70°C	Max. d.c. resistance @20°C
		Lower limit	Upper limit		
mm ²	mm	mm	mm	MΩ/km	Ω/km
0.5	0.6	1.9	2.3	0.015	36.0
0.75	0.6	2.1	2.5	0.012	24.5
1	0.6	2.2	2.7	0.011	18.1

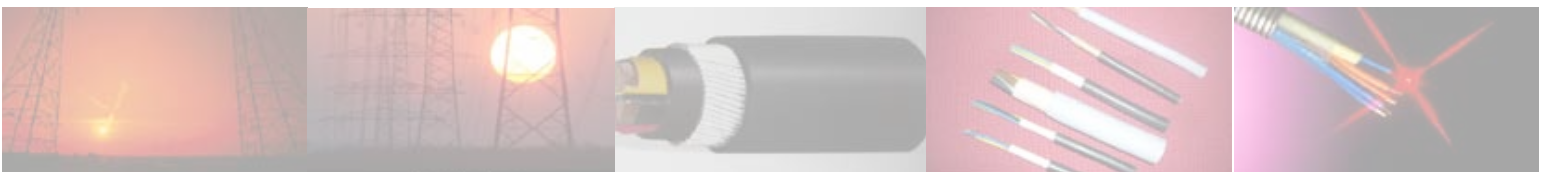
SINGLE-CORE NON-SHEATHED CABLE WITH FLEXIBLE CONDUCTOR FOR INTERNAL WIRING FOR A CONDUCTOR TEMPERATURE OF 70°C

GS IEC 60227-3, BS 6004

Rated Voltage:	300/500V
Conductor:	annealed plain copper conductor class 5, GS IEC 60228, BS 6360
Insulation:	PVC
Maximum conductor operating temperature in normal use:	70°C

Nominal cross-sectional area of conductor	Thickness of insulation	Mean overall diameter		Minimum insulation resistance at 70°C	Max. d.c. resistance @20°C
		Lower limit	Upper limit		
mm ²	mm	mm	mm	MΩ/km	Ω/km
0.5	0.6	2.1	2.5	0.013	39.0
0.75	0.6	2.2	2.7	0.011	26.0
1	0.6	2.4	2.8	0.010	19.5

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SINGLE-CORE NON-SHEATHED CABLE WITH SOLID CONDUCTOR FOR INTERNAL WIRING FOR A CONDUCTOR TEMPERATURE OF 90°C

GS IEC 60227-3, BS 6004

Rated Voltage:	300/500V
Conductor:	annealed plain copper conductor class 1, GS IEC 60228, BS 6360
Insulation:	PVC
Maximum conductor operating temperature in normal use:	90°C

Nominal cross-sectional area of conductor	Thickness of insulation	Mean overall diameter		Minimum insulation resistance at 90°C	Max. d.c. resistance @20°C
		Lower limit	Upper limit		
mm ²	mm	mm	mm	MΩ/km	Ω/km
0.5	0.6	1.9	2.3	0.015	36.0
0.75	0.6	2.1	2.5	0.012	24.5
1	0.6	2.2	2.7	0.011	18.1
1.5	0.7	2.6	3.2	0.011	12.1
2.5	0.8	3.2	3.9	0.009	7.4

SINGLE-CORE NON-SHEATHED CABLE WITH FLEXIBLE CONDUCTOR FOR INTERNAL WIRING FOR A CONDUCTOR TEMPERATURE OF 90°C

GS IEC 60227-3, BS 6004

Rated Voltage:	300/500V
Conductor:	annealed plain copper conductor class 5, GS IEC 60228, BS 6360
Insulation:	PVC
Maximum conductor operating temperature in normal use:	90°C

Nominal cross-sectional area of conductor	Thickness of insulation	Mean overall diameter		Minimum insulation resistance at 90°C	Max. d.c. resistance @20°C
		Lower limit	Upper limit		
mm ²	mm	mm	mm	MΩ/km	Ω/km
0.5	0.6	2.1	2.5	0.013	39.0
0.75	0.6	2.2	2.7	0.012	26.0
1	0.6	2.4	2.8	0.010	19.5
1.5	0.7	2.8	3.4	0.009	13.3
2.5	0.8	3.4	4.1	0.009	8.0

