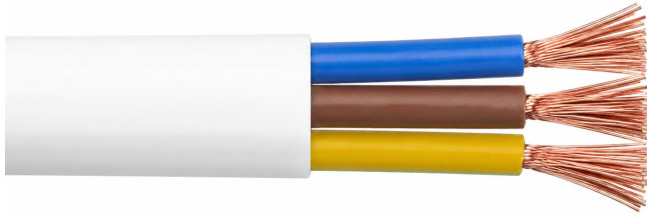


## Sheathed Wires



## PVC Insulated & Sheathed Flexible Cable

Standards: IEC 60227-5, GB/T 5023.5, EN 50525-2-11, BS EN 50525-2-11

### Technical Data

Max. operating temperature: 70 °C

Max. short circuit temperature: 160 °C (max. 5 sec.)

Rated voltage: 300/500 V

### Application

For use in household appliances, small power tools, instrumentation, and lighting/power circuits at rated AC voltages up to 300/500 V. Suitable for fixed or mobile wiring in dry or damp indoor environments, including conduit, trunking, and open surface installation.

### Construction

① Stranded copper conductor    ② PVC insulation    ③ PVC sheath.

DIMENSION & WEIGHT				ELECTRICAL PROPERTIES				
Nominal Cross Section	Insulation Outer Diameter (approx)	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance 20°C Max	Insulation Resistance Min.	Current Capacity (A)	
mm <sup>2</sup>	mm	mm	kg/km	m	Ω/km	MΩ·km	In Conduit 20°C	In Air 30°C
2×0.5	1.4	6.0	60	100	36.000	≥0.011	-	9
2×0.75	1.5	6.5	80	100	24.500	≥0.012	-	12
2×1.0	1.6	7.0	100	100	18.100	≥0.013	-	15
2×1.5	1.8	8.0	140	100	12.100	≥0.014	17	19.5
2×2.5	2.0	9.0	210	100	7.410	≥0.014	24	27
2×4	2.3	10.5	310	100	4.610	≥0.014	32	36
2×6	2.6	12.0	440	100	3.080	≥0.014	41	46
3×0.5	1.4	7.5	80	100	36.000	≥0.011	-	9
3×0.75	1.5	8.0	110	100	24.500	≥0.012	-	12
3×1.0	1.6	8.5	140	100	18.100	≥0.013	-	15
3×1.5	1.8	9.5	200	100	12.100	≥0.014	15	17.5
3×2.5	2.0	11.0	305	100	7.410	≥0.014	21	24
3×4	2.3	12.5	455	100	4.610	≥0.014	28	32
3×6	2.6	14.5	655	100	3.080	≥0.014	36	41
4×0.5	1.4	8.5	105	100	36.000	≥0.011	-	9
4×0.75	1.5	9.0	145	100	24.500	≥0.012	-	12
4×1.0	1.6	9.5	185	100	18.100	≥0.013	-	15
4×1.5	1.8	11.0	270	100	12.100	≥0.014	14	15.5

DIMENSION & WEIGHT				ELECTRICAL PROPERTIES				
Nominal Cross Section	Insulation Outer Diameter (approx)	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance 20°C Max	Insulation Resistance Min.	Current Capacity (A)	
mm <sup>2</sup>	mm	mm	kg/km	m	Ω/km	MΩ·km	In Conduit 20°C	In Air 30°C
4×2.5	2.0	12.5	415	100	7.410	≥0.014	18	22
4×4	2.3	14.5	615	100	4.610	≥0.014	25	29
4×6	2.6	17.0	895	100	3.080	≥0.014	32	37
5×0.5	1.4	9.5	130	100	36.000	≥0.011	-	9
5×0.75	1.5	10.5	185	100	24.500	≥0.012	-	12
5×1.0	1.6	11.0	235	100	18.100	≥0.013	-	15
5×1.5	1.8	12.5	345	100	12.100	≥0.014	13	14
5×2.5	2.0	14.5	530	100	7.410	≥0.014	17	20
5×4	2.3	16.5	785	100	4.610	≥0.014	22	26
5×6	2.6	19.5	1140	100	3.080	≥0.014	28	33

**Note:** Current-carrying capacities are based on IEC 60364-5-52 at 30°C ambient (in air) and 20°C (in conduit). Insulation resistance minimum values at 20°C. Apply derating factors per installation method