



LEDBURN CABLES IS AN
INDEPENDENTLY
OWNED CABLE
DISTRIBUTOR.



SINGLE CORE CABLE-HI FLEX PVC WELDING CABLE

Highly flexible class 6 annealed copper

Hi Flex PVC welding cable

Conductor: Highly flexible class 6 annealed copper

Insulation: PVC

Volts Grade: 450/750V

Standards: IEC60331: Tests for electric cables under fire conditions - circuit integrity

IEC60332-1: Tests on electric and optical fibre cables under fire conditions Part 1: test for vertical flame propagation for a single insulated wire or cable

BSEN50265: Common test methods for cables under fire conditions. Test for resistance to vertical flame propagation for a single insulated conductor or cables

Specification

Applications: Easy to use inside visible or embedded piping. Direct burial installation or outdoors in wet environments as well as contact with hot parts is not allowed. It must not be subject to thermic radiation.

Conductors: Highly flexible class 6 annealed copper
Insulation: PVC

Voltage: 450/750V

Max operating temperature: 70°C on conductor is installed in ordinary environments.

Max temperature in case of short circuit: Max duration 5 seconds. 160°C on conductor

Min temperature for installed: +5°C

Conductor:

Minimum bending radius: 6 x overall diameter

Max laying stress: 50N +/- 5 shore "A"

Insulation hardness: 70 +/- 5 shore "A"

Standards: IEC60331: Tests for electric cables under fire conditions-circuit integrity

IEC60332-1: Tests on electric and optical fibre cables under fire conditions Part 1: test for vertical flame propagation for a single insulated wire or cable

BSEN50265: Common test methods for cables under fire conditions. Test for resistance to vertical flame propagation for a single insulated conductor or cables

Size sq.mm	Nominal conductor construction	Nominal diameter of conductor mm	Outer diameter of insulation mm	Insulation thickness mm		Min insulation resistance Ohms	Approx. weight kg/km	Part No. Black	Part No. Red
				AV min	min				
16	204 x 0.3	5.2	8.7	1.4	1.16	1.28	200	19008	19010
25	324 x 0.3	6.5	10.5	1.5	1.25	0.85	300	19016	19022
35	444 x 0.3	7.8	12.0	1.7	1.53	0.58	410	19038	19039
50	636 x 0.3	8.8	13.8	1.7	1.43	0.41	565	19040	19041
70	900 x 0.3	10.8	15.9	1.9	1.61	0.28	780	19044	19053
95	1308 x 0.3	-	-	2.0	1.70	-	-	19058	19057
120	1680 x 0.3	-	-	2.0	1.70	-	-	15185	15186

Parts option

Part No.	Core	Size	Colour/Reference
19008	1	16sqmm	Black
19010	1	16sqmm	Red
19016	1	25sqmm	Black
19022	1	25sqmm	Red
19038	1	35sqmm	Black
19039	1	35sqmm	Red
19040	1	50sqmm	Black

19041	1	50sqmm	Red
19044	1	70sqmm	Black
19053	1	70sqmm	Red
19058	1	95sqmm	Black
19057	1	95sqmm	Red