

Applications

SIMBAL 'Extensiflex 'K' extensible cables are ideally suited for use in a large range of general purpose applications including hand tools & power supplies to tills.

Design

1. **Conductor :-** Flexible plain copper, Class 5 to DIN VDE 0295
2. **Insulation :-** PVC Y12
3. **Outer Sheath :-** Polyurathene 11YM1
4. **Colour :-** Black, White, Orange, Yellow (other colours on request)

Core Identification

Up to 5 cores - colour coded in acc. With VDE 0293
 Multicores - black cores with white numbers + green/yellow earth core

Standards

Manufacturers standard



Mechanical Properties	
Closed Spiral length	3000mm Maximum
Extended length	4 x closed cable length
Straight Ends	200mm / 200mm as standard - specials available on request

Chemical Properties	
Oil resistant acc to VDE 0472 part 803 test type B	

Electrical & Thermal Properties	
Nominal Voltage	300/500 V
Test Voltage	2000 V Core to Core
Current Rating	See facing page
Max surface temperature	- 5 deg C up to + 80 deg C

Number of cores & nominal cross section	Gland PG/ISO	Current rating at 30 deg C	Cable diameter Approx	Coil Diameter Approx
2c x 0.75mm ²	PG7 / M20-16	13 Amps	5.6mm	19 - 24mm
3c x 0.75mm ²	PG7 / M20-16	13 Amps	6.1mm	20 - 25mm
4c x 0.75mm ²	PG9 / M20-16	13 Amps	7.1mm	24 - 29mm
5c x 0.75mm ²	PG9 / M20-16	13 Amps	7.5 mm	25 - 30mm
7c x 0.75mm ²	PG11 / M20-S	13 Amps	8.8mm	32 - 37mm
2c x 1.00mm ²	PG9 / M20-16	16 Amps	6.6mm	21 - 26mm
3c x 1.00mm ²	PG9 / M20-16	16 Amps	7.0mm	22 - 27mm
4c x 1.00mm ²	PG11 / M20-16	16 Amps	7.9mm	26 - 31mm
5c x 1.00mm ²	PG11 / M20S	16 Amps	9.0mm	30 - 35mm
7c x 1.00mm ²	PG13.5 / M20S	16 Amps	10.8mm	36 - 41mm
12c x 1.00mm ²	PG16 / M20	16 Amps	12.8mm	44 - 49mm
18c x 1.00mm ²	PG21 / M25	16 Amps	16.4mm	61 - 66mm
2c x 1.50mm ²	PG9 / M20-16	20 Amps	7.1mm	24 - 29mm
3c x 1.50mm ²	PG11 / M20-16	20 Amps	7.8mm	26 - 31mm
4c x 1.50mm ²	PG11 / M20S	20 Amps	8.4mm	29 - 34mm
5c x 1.50mm ²	PG11 / M20S	20 Amps	9.4mm	33 - 38mm
7c x 1.50mm ²	PG13.5 / M20S	20 Amps	10.6mm	44 - 49mm
12c x 1.50mm ²	PG16 / M25	20 Amps	13.6mm	55 - 60mm
18c x 1.50mm ²	PG921/ M25	20 Amps	16.8mm	62 - 67mm
25c x 1.50mm ²	PG29 / M32	20 Amps	20.0mm	68 - 73mm
3c x 2.50mm ²	PG11 / M20S	30 Amps	9.3mm	33 - 38mm
5c x 2.50mm ²	PG13.5 / M20	30 Amps	11.4mm	41 - 46mm

Other cable sections are available on request