

Applications

SIMBAL ‘Extensiflex ’E’ Non Screened extensible cables are suitable for many electronic applications (e.g. medical equipment, measuring equipment, motor industry, etc.) The Polyurathene outer sheath and Semocore core insulation ensures a high reset ability and long service life.

Design

1. **Conductor :-** Flexible plain copper, to DIN VDE 0295
0.14mm² (18x0.10mm) / 0.25mm² (14x0.15mm) / 0.50mm² (28x0.15mm)
2. **Insulation :-** Semocore
3. **Outer Sheath :-** Polyurathene 11YM1
4. **Colour :-** Black (other colours available on request)

Core Identification

Up to 0.34mm² - according to DIN 47 100
 From 0.50mm² - white cores with black numbers
 From 3 cores - with 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	
Halogen Free	
Acid Resistant	
Electrical & Thermal Properties	
Nominal Voltage	300 V
Test Voltage	2000 V
Current Rating	See facing page
Max surface temperature	- 30 deg C up to + 80 deg C

Number of cores & nominal cross section	PG Gland	Current rating at 30 deg C	Cable diameter Approx	Coil Diameter Approx
2c x 0.14mm ²	PG7 / M20-16		3.0mm	12 - 17mm
3c x 0.14mm ²	PG7 / M20-16		3.2mm	12 - 17mm
4c x 0.14mm ²	PG7 / M20-16		3.4mm	13 - 18mm
5c x 0.14mm ²	PG7 / M20-16		3.8 mm	13 - 18mm
6c x 0.14mm ²	PG7 / M20-16		4.1mm	14 - 19mm
7c x 0.14mm ²	PG7 / M20-16		4.5mm	17 - 19mm
8c x 0.14mm ²	PG7 / M20-16		5.0mm	15 - 20mm
10c x 0.14mm ²	PG7 / M20-16		5.2mm	16 - 21mm
12c x 0.14mm ²	PG7 / M20-16		5.3mm	19 - 24mm
18c x 0.14mm ²	PG9 / M20-16		6.4mm	23 - 28mm
25c x 0.14mm ²	PG9 / M20-16		7.4mm	28 - 33mm
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2c x 0.25mm ²	PG7 / M20-16		3.5mm	13 - 18mm
4c x 0.25mm ²	PG7 / M20-16		4.0mm	14 - 19mm
5c x 0.25mm ²	PG7 / M20-16		4.3mm	15 - 20mm
6c x 0.25mm ²	PG7 / M20-16		4.7 mm	16 - 21mm
8c x 0.25mm ²	PG7 / M20-16		5.7mm	20 - 25mm
10c x 0.25mm ²	PG7 / M20-16		5.9mm	20 - 25mm
12c x 0.25mm ²	PG7 / M20-16		6.2mm	20 - 25mm
18c x 0.25mm ²	PG9 / M20-16		7.4mm	25 - 30mm
25c x 0.25mm ²	PG11 / M20S		8.8mm	32 - 37mm
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2c x 0.34mm ²	PG7 / M20-16	4 Amps	4.2mm	17 - 22mm
3c x 0.34mm ²	PG7 / M20-16	4 Amps	4.4mm	17 - 22mm
4c x 0.34mm ²	PG7 / M20-16	4 Amps	4.7 mm	18 - 23mm
5c x 0.34mm ²	PG7 / M20-16	4 Amps	5.3mm	21 - 26mm
6c x 0.34mm ²	PG7 / M20-16	4 Amps	5.8mm	22 - 27mm
7c x 0.34mm ²	PG7 / M20-16	4 Amps	6.2mm	23 - 28mm
8c x 0.34mm ²	PG9 / M20-16	4 Amps	6.6mm	24 - 29mm
12c x 0.34mm ²	PG9 / M20-16	4 Amps	7.4mm	27 - 32mm
18c x 0.34mm ²	PG11 / M20S	4 Amps	8.5mm	31 - 36mm
25c x 0.34mm ²	PG13.5 / M20S	4 Amps	10.4mm	35 - 40mm
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2c x 0.50mm ²	PG7 / M20-16	6 Amps	4.4mm	17 - 22mm
3c x 0.50mm ²	PG7 / M20-16	6 Amps	4.6mm	17 - 22mm
4c x 0.50mm ²	PG7 / M20-16	6 Amps	4.8 mm	18 - 23mm
5c x 0.50mm ²	PG7 / M20-16	6 Amps	5.5mm	19 - 24mm
6c x 0.50mm ²	PG7 / M20-16	6 Amps	6.1mm	20 - 25mm
8c x 0.50mm ²	PG7 / M20-16	6 Amps	7.1mm	24 - 29mm
10c x 0.50mm ²	PG7 / M20-16	6 Amps	7.6mm	27 - 32mm
12c x 0.50mm ²	PG7 / M20-16	6 Amps	8.0mm	28 - 33mm
18c x 0.50mm ²	PG7 / M20-16	6 Amps	9.5mm	33 - 38mm

Other cable sections are available on request