

### 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  
0.14mm<sup>2</sup> (18x0.10mm) / 0.25mm<sup>2</sup> (14x0.15mm) / 0.50mm<sup>2</sup> (28x0.15mm)
2. **Insulation** :- Semocore
3. **Outer Sheath** :- Polyurathene 11YM1
4. **Colour** :- Black (other colours available on request)

### Core Identification

Up to 0.34mm<sup>2</sup> - according to DIN 47 100  
From 0.50mm<sup>2</sup> - 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 Length
Straight Ends (Tails)	200mm / 200mm std. (special lengths 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	300V
Test Voltage	2000 V
Current Rating	See below
Max surface temperature	- 30 deg C / + 80 deg C

### Cable Specification

Number of cores & nominal cross section	Part No.	Gland PG (Metric)	Current rating at 30 deg C	Cable diameter Approx	Coil diameter Approx
2c x 0.14mm <sup>2</sup>	08073 0014 02	PG7 / M20-16		3.0mm	12 - 17mm
3c x 0.14mm <sup>2</sup>	08073 0014 03	PG7 / M20-16		3.2mm	12 - 17mm
4c x 0.14mm <sup>2</sup>	08073 0014 04	PG7 / M20-16		3.4mm	13 - 18mm
5c x 0.14mm <sup>2</sup>	08073 0014 05	PG7 / M20-16		3.8mm	13 - 18mm
6c x 0.14mm <sup>2</sup>	08073 0014 06	PG7 / M20-16		4.1mm	14 - 19mm
7c x 0.14mm <sup>2</sup>	08073 0014 07	PG7 / M20-16		4.5mm	17 - 19mm
8c x 0.14mm <sup>2</sup>	08073 0014 08	PG7 / M20-16		5mm	15 - 20mm
10c x 0.14mm <sup>2</sup>	08073 0014 10	PG7 / M20-16		5.2mm	16 - 21mm
12c x 0.14mm <sup>2</sup>	08073 0014 12	PG7 / M20-16		5.3mm	19 - 24mm
18c x 0.14mm <sup>2</sup>	08073 0014 18	PG9 / M20-16		6.4mm	23 - 28mm
25c x 0.14mm <sup>2</sup>	08073 0014 25	PG9 / M20-16		7.4mm	28 - 33mm
2c x 0.25mm <sup>2</sup>	08073 0025 02	PG7 / M20-16		3.5mm	13 - 18mm
3c x 0.25mm <sup>2</sup>	08073 0025 03	PG7 / M20-16		4mm	14 - 19mm
4c x 0.25mm <sup>2</sup>	08073 0025 04	PG7 / M20-16		4.3mm	15 - 20mm
5c x 0.25mm <sup>2</sup>	08073 0025 05	PG7 / M20-16		4.7mm	16 - 21mm
6c x 0.25mm <sup>2</sup>	08073 0025 06	PG7 / M20-16		5.7mm	20 - 25mm
8c x 0.25mm <sup>2</sup>	08073 0025 08	PG7 / M20-16		5.9mm	20 - 25mm
12c x 0.25mm <sup>2</sup>	08073 0025 12	PG7 / M20-16		6.2mm	20 - 25mm
18c x 0.25mm <sup>2</sup>	08073 0025 18	PG9 / M20-16		7.4mm	25 - 30mm
25c x 0.25mm <sup>2</sup>	08073 0025 25	PG11 / M20S		8.8mm	32 - 37mm
2c x 0.34mm <sup>2</sup>	08073 0034 02	PG7 / M20-16	4 Amps	4.2mm	17 - 22mm
3c x 0.34mm <sup>2</sup>	08073 0034 03	PG7 / M20-16	4 Amps	4.4mm	17 - 22mm
4c x 0.34mm <sup>2</sup>	08073 0034 04	PG7 / M20-16	4 Amps	4.7mm	18 - 23mm
5c x 0.34mm <sup>2</sup>	08073 0034 05	PG7 / M20-16	4 Amps	5.3mm	21 - 26mm
6c x 0.34mm <sup>2</sup>	08073 0034 06	PG7 / M20-16	4 Amps	5.8mm	22 - 27mm
7c x 0.34mm <sup>2</sup>	08073 0034 07	PG7 / M20-16	4 Amps	6.2mm	23 - 28mm
8c x 0.34mm <sup>2</sup>	08073 0034 08	PG9 / M20-16	4 Amps	6.6mm	24 - 29mm
12c x 0.34mm <sup>2</sup>	08073 0034 12	PG9 / M20-16	4 Amps	7.4mm	27 - 32mm
18c x 0.34mm <sup>2</sup>	08073 0034 18	PG11 / M20S	4 Amps	8.5mm	31 - 36mm
25c x 0.34mm <sup>2</sup>	08073 0034 25	PG13.5 / M20S	4 Amps	10.4mm	35 - 40mm
2c x 0.50mm <sup>2</sup>	08073 0050 02	PG7 / M20-16	6 Amps	4.4mm	17 - 22mm
3c x 0.50mm <sup>2</sup>	08073 0050 03	PG7 / M20-16	6 Amps	4.6mm	17 - 22mm
4c x 0.50mm <sup>2</sup>	08073 0050 04	PG7 / M20-16	6 Amps	4.8mm	18 - 23mm
6c x 0.50mm <sup>2</sup>	08073 0050 06	PG7 / M20-16	6 Amps	6.1mm	20 - 25mm
8c x 0.50mm <sup>2</sup>	08073 0050 08	PG7 / M20-16	6 Amps	7.1mm	24 - 29mm
12c x 0.50mm <sup>2</sup>	08073 0050 12	PG9 / M20-16	6 Amps	7.6mm	27 - 32mm
18c x 0.50mm <sup>2</sup>	08073 0050 18	PG11 / M20S	6 Amps	8mm	28 - 33mm
25c x 0.50mm <sup>2</sup>	08073 0050 25	PG13.5 / M20S	6 Amps	9.5mm	33 - 38mm