

Applications

SIMBAL 'Extensiflex 'E' 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. The high quality helical copper screen ensures that the reset ability of the cable is not impaired.

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. **Screen** :- Plain copper screen coverage approx. 90%
5. **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 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 ²	08073 0014 02CY	PG7 / M20-16		4.1mm	16 - 21mm
3c x 0.14mm ²	08073 0014 03CY	PG7 / M20-16		4.3mm	17 - 22mm
4c x 0.14mm ²	08073 0014 04CY	PG7 / M20-16		4.5mm	17 - 22mm
5c x 0.14mm ²	08073 0014 05CY	PG7 / M20-16		5mm	18 - 23mm
6c x 0.14mm ²	08073 0014 06CY	PG7 / M20-16		5.3mm	19 - 24mm
7c x 0.14mm ²	08073 0014 07CY	PG7 / M20-16		5.5mm	21 - 26mm
8c x 0.14mm ²	08073 0014 08CY	PG7 / M20-16		6mm	22 - 27mm
10c x 0.14mm ²	08073 0014 10CY	PG7 / M20-16		6.2mm	23 - 28mm
12c x 0.14mm ²	08073 0014 12CY	PG7 / M20-16		6.4mm	23 - 28mm
18c x 0.14mm ²	08073 0014 18CY	PG9 / M20-16		7.4mm	27 - 32mm
25c x 0.14mm ²	08073 0014 25CY	PG11 / M20S		9.0mm	32 - 37mm
2c x 0.25mm ²	08073 0025 02CY	PG7 / M20-16		4.5mm	17 - 22mm
3c x 0.25mm ²	08073 0025 03CY	PG7 / M20-16		4.7mm	18 - 23mm
4c x 0.25mm ²	08073 0025 04CY	PG7 / M20-16		5mm	18 - 23mm
5c x 0.25mm ²	08073 0025 05CY	PG7 / M20-16		5.9mm	20 - 25mm
6c x 0.25mm ²	08073 0025 06CY	PG7 / M20-16		6.2mm	21 - 26mm
8c x 0.25mm ²	08073 0025 08CY	PG9 / M20-16		6.6mm	23 - 28mm
12c x 0.25mm ²	08073 0025 12CY	PG9 / M20-16		7.4mm	27 - 32mm
18c x 0.25mm ²	08073 0025 18CY	PG11 / M20S		9.2mm	33 - 38mm
25c x 0.25mm ²	08073 0025 25CY	PG13.5 / M20		10.2m	37 - 42mm
2c x 0.34mm ²	08073 0034 02CY	PG7 / M20-16	4 Amps	4.8mm	18 - 23mm
3c x 0.34mm ²	08073 0034 03CY	PG7 / M20-16	4 Amps	5mm	18 - 23mm
4c x 0.34mm ²	08073 0034 04CY	PG7 / M20-16	4 Amps	5.3mm	19 - 24mm
5c x 0.34mm ²	08073 0034 05CY	PG7 / M20-16	4 Amps	5.9mm	20 - 25mm
6c x 0.34mm ²	08073 0034 06CY	PG9 / M20-16	4 Amps	6.4mm	23 - 28mm
7c x 0.34mm ²	08073 0034 07CY	PG9 / M20-16	4 Amps	6.8mm	24 - 29mm
8c x 0.34mm ²	08073 0034 08CY	PG9 / M20-16	4 Amps	7.2mm	27 - 32mm
12c x 0.34mm ²	08073 0034 12CY	PG11 / M20-16	4 Amps	8mm	28 - 33mm
18c x 0.34mm ²	08073 0034 18CY	PG11/ M20S	4 Amps	9.1mm	33 - 38mm
25c x 0.34mm ²	08073 0034 25CY	PG13.5 / M20S	4 Amps	11mm	40 - 45mm
2c x 0.50mm ²	08073 0050 02CY	PG7 / M20-16	6 Amps	5.4mm	19 - 24mm
3c x 0.50mm ²	08073 0050 03CY	PG7 / M20-16	6 Amps	5.7mm	21 - 26mm
4c x 0.50mm ²	08073 0050 04CY	PG7 / M20-16	6 Amps	6mm	22 - 27mm
6c x 0.50mm ²	08073 0050 06CY	PG7 / M20-16	6 Amps	7mm	26 - 31mm
8c x 0.50mm ²	08073 0050 08CY	PG9 / M20-16	6 Amps	8.6mm	29 - 34mm
12c x 0.50mm ²	08073 0050 12CY	PG9 / M20-16	6 Amps	9.2mm	33 - 38mm
18c x 0.50mm ²	08073 0050 18CY	PG9 / M20-16	6 Amps	10.8mm	38 - 43mm
25c x 0.50mm ²	08073 0050 25CY	PG11 / M20-16	6 Amps	12.7mm	44 - 49mm