

### Applications

SIMBAL 'Extensiflex 'G' extensible cables are suitable for use in a large range of arduous duty applications requiring many repetitions. They are suitable for both indoor and outdoor use, and also for use in extreme temperature applications such as cold stores and foundries.

### Design

1. **Conductor** :- Flexible plain copper, to DIN VDE 0295
2. **Insulation** :- EPR Rubber compound
3. **Outer Sheath** :- Polyurathene 11YM1
4. **Colour** :- Orange RAL 2003

### Core Identification

Up to 5 cores - colour coded according to VDE 0293  
Multi cores - Black cores with White numbers  
with green / yellow earth core

### Standards

Manufacturers standard  
Basic Material : Harmonised to HD22.10



Mechanical Properties		
Closed Spiral Length	3000mm Maximum	
Extended Length	5 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		
Acid & Radiation resistant		
Halogen Free		
Suitable for Indoor & Outdoor applications		
Electrical & Thermal Properties		
Nominal Voltage	H05BQ-F	300/500V
	H07BQ-F	450/750V
Test Voltage	H05BQ-F	2000 V core to core
	H07BQ-F	2500V core to core
Current Rating	See below	
Max surface temperature	- 25 deg C / + 80 deg C	

### Cable Specification

#### H05BQ-F

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 0.75mm <sup>2</sup>	08076 0075 02	PG9 / M20-16	13 Amps	6.4mm	21 - 26mm
3c x 0.75mm <sup>2</sup>	08076 0075 03	PG9 / M20-16	13 Amps	7.0mm	22 - 27mm
4c x 0.75mm <sup>2</sup>	08075 0076 04	PG9 / M20-16	13 Amps	7.8mm	26 - 31mm
5c x 0.75mm <sup>2</sup>	08076 0075 05	PG11 / M20S	13 Amps	8.5mm	27 - 32mm
2c x 1.00mm <sup>2</sup>	08076 0100 02	PG9 / M20-16	16 Amps	6.9mm	22 - 27mm
3c x 1.00mm <sup>2</sup>	08076 0100 03	PG9 / M20-16	16 Amps	7.3mm	23 - 28mm
4c x 1.00mm <sup>2</sup>	08076 0100 04	PG9 / M20-16	16 Amps	7.8mm	26 - 31mm
5c x 1.00mm <sup>2</sup>	08076 0100 05	PG11 / M20S	16 Amps	8.8mm	30 - 35mm

#### H07BQ-F

2c x 1.50mm <sup>2</sup>	08076 0150 02	PG11 / M20S	20 Amps	8.4mm	27 - 32mm
3c x 1.50mm <sup>2</sup>	08076 0150 03	PG11 / M20S	20 Amps	8.6mm	27 - 32mm
4c x 1.50mm <sup>2</sup>	08076 0150 04	PG13.5 / M20S	20 Amps	9.9mm	32 - 37mm
5c x 1.50mm <sup>2</sup>	08076 0150 05	PG13.5 / M20S	20 Amps	10.8mm	36 - 41mm
7c x 1.50mm <sup>2</sup>	08076 0150 07	PG16 / M20	20 Amps	12.8mm	44 - 49mm
12c x 1.50mm <sup>2</sup>	08076 0150 12	PG21 / M25	20 Amps	16.7mm	62 - 67mm
2c x 2.50mm <sup>2</sup>	08076 0250 02	PG13.5 / M20S	30 Amps	10mm	32 - 37mm
3c x 2.50mm <sup>2</sup>	08076 0250 03	PG13.5 / M20S	30 Amps	10.5mm	33 - 38mm
4c x 2.50mm <sup>2</sup>	08076 0250 04	PG13.5 / M20	30 Amps	11.7mm	38 - 43mm
5c x 2.50mm <sup>2</sup>	08076 0250 05	PG16 / M20	30 Amps	13.1mm	44 - 49mm
3c x 4.0mm <sup>2</sup>	08076 0400 03	PG16 / M20	40 Amps	12.3mm	39 - 44mm
4c x 4.0mm <sup>2</sup>	08076 0400 04	PG16 / M25	40 Amps	13.7mm	46 - 51mm
5c x 4.0mm <sup>2</sup>	08076 0400 05	PG21 / M25	40 Amps	15.5mm	59 - 64mm
3c x 6.0mm <sup>2</sup>	08076 0600 03	PG16 / M25	52 Amps	13.7mm	45 - 50mm
4c x 6.0mm <sup>2</sup>	08076 0600 04	PG21 / M25	52 Amps	14.5mm	57 - 63mm
5c x 6.0mm <sup>2</sup>	08076 0600 05	PG21 / M25	52 Amps	16.9mm	62 - 67mm