

Applications

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

Design

1. **Conductor :-** Flexible plain copper, Class 5 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 in acc. With VDE 0293
 Multicores - black cores with white numbers + green/yellow earth core



Standards

Basic material - Harmonized to HD22.10

Mechanical Properties

Closed Spiral length	3000mm Maximum
Extended length	5 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
 Acid & Radiation resistant
 Halogen Free
 For Indoor & Outdoor applications

Electrical & Thermal Properties

Nominal Voltage	H05BQ-F	300/500 V
	H07BQ-F	450/750 V
Test Voltage	H05BQ-F	2000 V Core to Core
	H07BQ-F	2500 V Core to Core
Current Rating	See facing page	
Max surface temperature	- 25 deg C up to + 80 deg C	

H05BQ-F

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	PG9 / M20-16	13 Amps	6.4mm	21 - 26mm
3c x 0.75mm ²	PG9 / M20-16	13 Amps	7.0mm	22 - 27mm
4c x 0.75mm ²	PG9 / M20-16	13 Amps	7.8mm	26 - 31mm
5c x 0.75mm ²	PG11 / M20S	13 Amps	8.5 mm	27 - 32mm
2c x 1.00mm ²	PG9 / M20-16	16 Amps	6.9mm	22 - 27mm
3c x 1.00mm ²	PG9 / M20-16	16 Amps	7.3mm	23 - 28mm
4c x 1.00mm ²	PG9 / M20-16	16 Amps	7.8mm	26 - 31mm
5c x 1.00mm ²	PG11 / M20S	16 Amps	8.8mm	30 - 35mm

H07BQ-F

Number of cores & nominal cross section	Gland PG/ISO	Current rating at 30 deg C	Cable diameter Approx	Coil Diameter Approx
2c x 1.50mm ²	PG11 / M20S	20 Amps	8.4mm	27 - 32mm
3c x 1.50mm ²	PG11 / M20S	20 Amps	8.6mm	27 - 32mm
4c x 1.50mm ²	PG13.5 / M20S	20 Amps	9.9mm	32 - 37mm
5c x 1.50mm ²	PG13.5 / M20S	20 Amps	10.8mm	36 - 41mm
7c x 1.50mm ²	PG16 / M20	20 Amps	12.8mm	44 - 49mm
12c x 1.50mm ²	PG21 / M25	20 Amps	16.7mm	62 - 67mm
2c x 2.50mm ²	PG13.5 / M20S	30 Amps	10.0mm	32 - 37mm
3c x 2.50mm ²	PG13.5 / M20S	30 Amps	10.5mm	33 - 38mm
4c x 2.50mm ²	PG13.5 / M20	30 Amps	11.7mm	38 - 43mm
5c x 2.50mm ²	PG16 / M20	30 Amps	13.1mm	44 - 49mm
3c x 4.00mm ²	PG16 / M20	40 Amps	12.3mm	39 - 44mm
4c x 4.00mm ²	PG16 / M25	40 Amps	13.7mm	46 - 51mm
5c x 4.00mm ²	PG21 / M25	40 Amps	15.5mm	59 - 64mm
3c x 6.00mm ²	PG16 / M25	52 Amps	13.7mm	45 - 50mm
4c x 6.00mm ²	PG21 / M25	52 Amps	14.5mm	57 - 63mm
5c x 6.00mm ²	PG21 / M25	52 Amps	16.9mm	62 - 67mm

Other cable sections are available on request