

### Applications

SIMBAL 'PENDANTFLEX' cable is a special cable with two lateral suspension strands used for remote control of overhead cranes and electric hoist units from push button control stations. It is suitable for installations where the suspended length of cable does not exceed 50 meters.

### Design

1. **Conductor :-** Flexible plain copper, Class 5 to DIN VDE 0295
2. **Insulation :-** XLPE (cross linked polyethylene)
3. **Outer Sheath :-** PVC (Polyvinyl chloride) colour Black

### Marking

BOITALYON No. of cores x cross section, year & week of manufacture

### Core Identification

Black cores with white numbers with or without green/yellow earth core.

### Standards

Manufacturers specification



### Mechanical Properties

Bending Radii (Dynamic)	10 x cable thickness
Max tensile load of strainer wires	1000 N (total on 2 x strainers)

### Chemical Properties

Lead & Silicon Free  
For Indoor & Outdoor applications  
Oil, Moisture, UV & Ozone resistant  
Flame retardant to IEC 60 332 part 1

### Electrical & Thermal Properties

Nominal Voltage	U <sub>o</sub> / U	300 / 500V
Max. operating voltage in AC systems	U <sub>m</sub>	500 V
Test Voltage	2500 V	
Current Rating	See facing page	

Max temperature at the conductor	
- In service	+ 90 deg C
- In short circuit	+ 250 deg C
Max surface temperature	
- mobile installation	- 25 deg C up to + 60 deg C

### Cable Specification

Number of cores & nominal cross section	Gland PG/ISO	Current rating at 30 deg C	Outer dimensions Approx	Weight Approx	Stock Item
5c x 1.50mm <sup>2</sup>	PG11 / M20S	20 Amps	20 x 9.5 mm	0.021 kg/m	Yes
6c x 1.00mm <sup>2</sup>	PG13.5 / M20	16 Amps	19 x 11 mm	0.025 kg/m	Yes
9c x 1.50mm <sup>2</sup>	PG21 / M25	20 Amps	24 x 15 mm	0.035 kg/m	Yes
12c x 1.50mm <sup>2</sup>	PG16 / M20	20 Amps	24 x 12.5 mm	0.035 kg/m	Yes
16c x 1.50mm <sup>2</sup>	PG21 / M25	20 Amps	26 x 15 mm	0.044 kg/m	Yes
20c x 1.50mm <sup>2</sup>	PG21 / M25	20 Amps	27 x 16 mm	0.520 kg/m	Yes
24c x 1.50mm <sup>2</sup>	PG29 / M25	20 Amps	30 x 19 mm	0.695 kg/m	Yes
30c x 1.50mm <sup>2</sup>	PG29 / M25	20 Amps	32 x 19 mm	0.700 kg/m	