

**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**

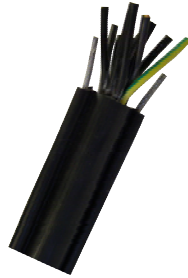
BOITALYON No. of cores x cross section, year & week of manufacture

**Core Identification**

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

**Standards**

Manufacturers specification



Mechanical Properties		
Bending Radii	10 x Cable diameter	
Max tensile load of strainer wires	1000N (total on 2 strainers)	
Chemical Properties		
Oil, Moisture, UV & Ozone resistant		
For Indoor & Outdoor applications		
Flame resistant to IEC 60 332 part1		
Lead & Silicon free		
Electrical & Thermal Properties		
Nominal Voltage	Uo/U	300/500V
Max operating voltage in AC systems	500V	
Test Voltage	2500V	
Current Rating	See below	
Max surface temperature		
Mobile installation	- 25 / + 60 deg C	
Max temperature at the conductor		
In service	+ 90 deg C	
In short circuit	+ 250 deg C	

**Cable Specification**

Number of cores & nominal cross section	Part No.	Gland PG (Metric)	Current rating at 30 deg C	Outer dimensions Approx	Weight Approx
6c x 1.0mm <sup>2</sup>	08031 0100 06	PG11 / M20S	16 Amps	19 x 11mm	0.250 kg/m
5c x 1.50mm <sup>2</sup>	08031 0150 05	PG13.5 / M20	20 Amps	20 x 9.5mm	0.210 kg/m
8c x 1.50mm <sup>2</sup>	08031 0150 08	PG16 / M20	20 Amps	24 x 12.5mm	0.350 kg/m
12c x 1.50mm <sup>2</sup>	08031 0150 12	PG16 / M20	20 Amps	24 x 12.5mm	0.350 kg/m
16c x 1.50mm <sup>2</sup>	08031 0150 16	PG21 / M25	20 Amps	26 x 15mm	0.440 kg/m
20c x 1.50mm <sup>2</sup>	08031 0150 20	PG21 / M25	20 Amps	27 x 16mm	0.520 kg/m
24c x 1.50mm <sup>2</sup>	08031 0150 24	PG29 / M25	20 Amps	30 x 19mm	0.695 kg/m
30c x 1.50mm <sup>2</sup>	08031 0150 30	PG29 / M25	20 Amps	32 x 19mm	0.700 kg/m