

Applications

SIMBAL 'HSTN/HSTCN Textroflex can be used as an elevator control cable, pendant cable or control cable for conveyors, machine tools or measuring equipment. The cable is suitable for use in dry, damp and wet areas and also for outdoor applications. It is especially suited to applications where resistance to oils and chemicals is required.

Design

1. **Conductor :-** Flexible plain copper, Class 6 to DIN VDE 0295
2. **Insulation :-** EPR Rubber compound
3. **Support Element :-** Central textile strainer element
4. **Outer Sheath :-** PCP (Neoprene)
5. **Colour :-** Black

Marking

LSTN (LSTCN), core x cross section

Core Identification

Up to 5 cores - colour coded in acc. With VDE 0293
 From 7 cores - black cores with white numbers + green/yellow earth core



Standards

DIN VDE 0250

Mechanical Properties		
Tensile strength of the conductor	Acc. To cable section - please call for specific details	
Bending Radii	10 x Cable diameter	
Free suspended height	80m max.	
Chemical Properties		
Oil resistant acc. To VDE 0472 part 803 test type B		
For Indoor & Outdoor applications		
Flame resistant		
Electrical & Thermal Properties		
Nominal Voltage	U ₀ /U	300/500V
Test Voltage	3000V	Core to Core
	1500V	Core to Screen
Current Rating	See below	
Max surface temperature		
	Fixed installation	- 40 / + 80 deg C
	Mobile installation	- 25 / + 80 deg C
Max temperature at the conductor	+ 80 deg C	

LSTN (Unscreened)

Number of cores & nominal cross section	Part No.	Gland PG (Metric)	Current rating at 30 deg C	Outer diameter Approx	Weight Approx
3c x 1.0mm ²	08023 0100 03	PG11 / M20S	16 Amps	9.0mm	0.120 kg/m
7c x 1.0mm ²	08023 0100 07	PG16 / M25	16 Amps	13.5mm	0.255 kg/m
12c x 1.0mm ²	08023 0100 12	PG29 / M32	16 Amps	19.5mm	0.500 kg/m
18c x 1.0mm ²	08023 0100 18	PG29 / M32	16 Amps	20mm	0.570 kg/m
24c x 1.0mm ²	08023 0100 24	PG29 / M32	16 Amps	22.5mm	0.745 kg/m
36c x 1.0mm ²	08023 0100 36	PG36 / M40	16 Amps	27mm	1.060 kg/m
54c x 1.0mm ²	08023 0100 54	PG42 / M50S	16 Amps	33mm	1.580 kg/m
3c x 1.50mm ²	08023 0150 03	PG11 / M20S	20 Amps	9.5mm	0.145 kg/m
4c x 1.50mm ²	08023 0150 04	PG13.5 / M20	20 Amps	11.5mm	0.195 kg/m
5c x 1.50mm ²	08023 0150 05	PG13.5 / M20	20 Amps	12mm	0.220 kg/m
7c x 1.50mm ²	08023 0150 07	PG16 / M25	20 Amps	13.5mm	0.295 kg/m
9c x 1.50mm ²	08023 0150 09	PG21 / M25	20 Amps	16.5mm	0.410 kg/m
12c x 1.50mm ²	08023 0150 12	PG29 / M32	20 Amps	21mm	0.574 kg/m
18c x 1.50mm ²	08023 0150 18	PG29 / M32	20 Amps	22mm	0.700 kg/m
24c x 1.50mm ²	08023 0150 24	PG32 / M40	20 Amps	25mm	0.940 kg/m
42c x 1.50mm ²	08023 0150 42	PG42 / M50S	20 Amps	32mm	1.600 kg/m
4c x 2.5mm ²	08023 0250 04	PG16 / M20	30 Amps	12.5mm	0.265 kg/m
5c x 2.5mm ²	08023 0250 05	PG21 / M25	30 Amps	14.5mm	0.330 kg/m
7c x 2.5mm ²	08023 0250 07	PG21 / M25	30 Amps	17.5mm	0.460 kg/m
12c x 2.5mm ²	08023 0250 12	PG32 / M40	30 Amps	25mm	0.770 kg/m
37c x 2.5mm ²	08023 0250 37	PG42 / M50	30 Amps	36.5mm	2.250 kg/m
4c x 6mm ²	08023 0600 04	PG29 / M25	52 Amps	18mm	0.524 kg/m

LSTCN (Screened)

6c x 0.50mm ²	08023 0050 06CY	PG13.5 / M20	6 Amps	11.5mm	0.180 kg/m
6c x 0.75mm ²	08023 0075 06CY	PG16 / M20	13 Amps	12mm	0.205 kg/m
4c x 1.0mm ²	08023 0100 04CY	PG13.5 / M20	16 Amps	11.5mm	0.185 kg/m
7c x 1.0mm ²	08023 0100 07CY	PG21 / M25	16 Amps	15mm	0.300 kg/m
12c x 1.0mm ²	08023 0100 12CY	PG29 / M32	16 Amps	20.5mm	0.545 kg/m
18c x 1.0mm ²	08023 0100 18CY	PG29 / M32	16 Amps	21mm	0.630 kg/m
24c x 1.0mm ²	08023 0100 24CY	PG32 / M40	16 Amps	25mm	0.900 kg/m
6c x 1.50mm ² (Yellow)	08023 0150 06CY	PG21 / M25	20 Amps	15mm	0.430 kg/m