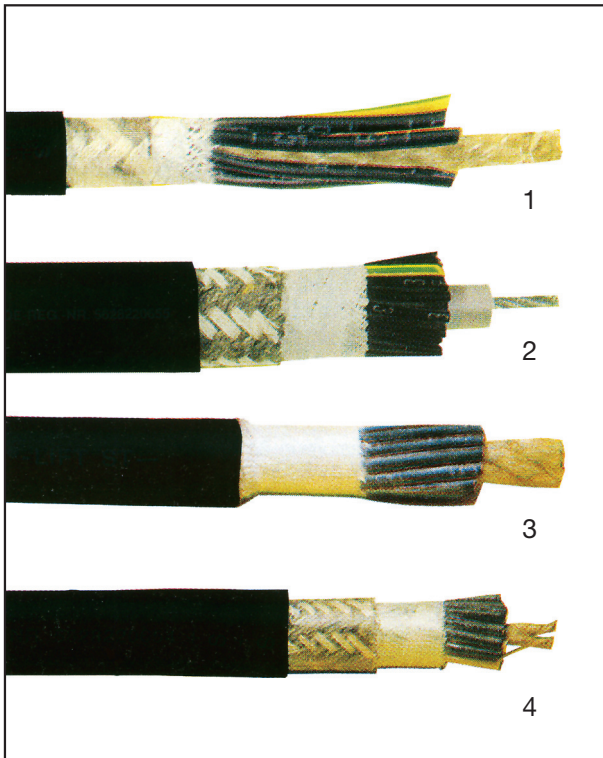


# LIFT CABLES – TEXOPRENE<sup>TM</sup> & PVC

SPECIAL DESIGNS ACCORDING TO VDE0250/0208 – NOMINAL VOLTAGE 500V



## FOR RELIABLE ELEVATOR OPERATION



### CONSTRUCTION

Conductor of copper, extra fine stranded, class 6 to VDE 0295, insulated of special PVC or rubber, cores laid concentrically around a support core, textile tape wrapping or braid, outer sheath with special temperature resisting PVC, PCP or soft rubber, black.

Please Note: The Lift cable construction can be varied in insulation materials, core lay length, core sizes and make up. Powermite cables can provide textile and metal braiding and sheath materials in flame-retardant and halogen composition.

### CORE IDENTIFICATION TO VDE 0293

Cable description bearing – O w/o earth cores  
Cable description bearing – J with green/yellow earth core  
Cores – black, numbered

### APPLICATION:

- Pic 1 **TFXMA** – This PVC insulated cable has a manila rope tension relief centre. It can be used for suspension heights of up to 200 m on cables with smaller core quantities.  
Pic 2 **TFXST** – This PVC insulated cable reaches suspension heights of up to 150 m using a steel core as tension relief.  
Pic 3 **TRTC** – This Texoprene insulated cable has a textile carrier for tension relief. The additional “C” (Pic 4) in the description indicates concentric copper screen. Vertical suspension heights of up to 80 m are possible.

The free suspension length stated above is to be seen in conjunction with the allowable breaking load. The cables are designed to withstand high mechanical loads under tractive conditions in most weather applications while being unrestricted in their movement.

### TECHNICAL DATA

1. Max. operating Voltage AC : 330 V / 550 V	6. Current Capacity	: see Table 3 page 52 VDE 0100
2. Max. operating Voltage DC : 495 V / 825 V	7. Derating	: see Table 3 page 52 VDE 0100
3. Test Voltage AC : 3000 V	8. Specification	: according to VDE 0250/0208
4. Conductor resistance : to DIN/VDE 0295 Class 6	9. Min. bending radius	: mobile 20 x cable O.D.
5. Temperature range : mobile TFXMA – 15 °C to + 70 °C	10. Tensile stress	: not to exceed 15N/mm <sup>2</sup> taking total core cross section of largest conductor into consideration. Cable designs incorporating tension relief elements, however, may differ.
TFXST – 15 °C to + 70 °C		
TRTC – 30 °C to + 80 °C		
TRTCC – 30 °C to + 80 °C		
	11. Marking	: printed

No. of cores and rated cross section	max. diameter of single strands	outer dimension approx.	weight approx.	No. of cores and rated cross section	max. diameter of single strands	outer dimension approx.	weight approx.
mm <sup>2</sup>	mm	mm	kg/m	mm <sup>2</sup>	mm	mm	kg/m
<b>TFXMA-J</b>				<b>TFXST-J</b>			
12 x 0,75	0,16	19,5	0,37	24 x 1	0,16	25,0	0,65
24 x 0,75	0,16	22,5	0,55	36 x 1	0,16	30,0	0,99
12 x 1	0,16	20,0	0,42	<b>TRTC-J</b>			
24 x 1	0,16	23,5	0,60	12 x 1	0,16	20,5	0,49
36 x 1	0,16	29,0	0,96	24 x 1	0,16	24,0	0,76
28 x 1 + (2 x 0,5) C	0,16	28,0	0,78	36 x 1	0,16	29,0	1,10
				<b>TRTCC-J</b>			
				12 x 1	0,16	22,0	0,55
				24 x 1	0,16	26,5	0,91

Sizes, cores and designs not mentioned here are available on request i.e.

Lift cable 4 x 14AWG + 69 x 18AWG + 1 pair 20 AWG twisted shielded pair, with stress relief core and flame retardant outer sheath PVC – please refer to page 21

Above sizes may require minimum quantities  
All quoted data is approximate and not binding