

# TVVB Elevator Cable



## Applications:

Elevator cables (specifically traveling cables) are engineered for high-performance power and signal transmission in dynamic, repetitive motion environments. Their primary application is in passenger and freight elevator systems, where they serve as the vital link between the elevator car and the control room, enduring constant bending and high tensile stress in lift shafts.

## General Construction:

**Conductor:** Multiple strands of ultra-fine stranded oxygen-free copper wire, VDE0295CLASS 5 compliant

**Insulation:** Special oil resistance, flame retardant, mixed PVC or others

**Inner core Color:** Yello, white, orange with black number with white digital coding

**Inner liner:** Optional

**Bearing:** Steel rope(optional)

**Outer jacket:** Oil resistant, flame retardant, elastic PVC sheath,Grey(RAL7001)

**Rated voltage:**  $\leq 1.5\text{mm}^2$  300/500V       $> 1.5\text{mm}^2$  450/750V

**Test voltage:**  $\leq 1.5\text{mm}^2$  2500V       $> 1.5\text{mm}^2$  3000V

**Minimum bending radius:**  $10 \times$  outer diameter

**Working temperature:**  $-15^{\circ}\text{C}$ ----- $+70^{\circ}\text{C}$

**Note-The elevator usage is as follows:**

**When elevator cables are arranged in a single line:**

TVVB ( pararell ) free suspension length must not exceed 35 meters, and the lift speed must not exceed 1.6m/s.

**When elevator cables with a star-shaped lay:**

TVVB (interwist) free suspension length must not exceed 80 meters, and the lift speed must not exceed 10m/s

## Specification Details:

Type	No. of cores	Specification	Conductor Structure	Width mm	Thickness mm	Density kg/km	Shape
TVVB	3	0.75	30/0.18	10.4	4.6	91	Single line
TVVB	4	0.75	30/0.18	13.7	4.6	119	Single line
TVVB	8	0.75	30/0.18	24.1	4.6	212	Single line
TVVB	9	0.75	30/0.18	26.5	4.6	233	Single line
TVVB	10	0.75	30/0.18	28.8	4.6	255	Single line
TVVB	12	0.75	30/0.18	33.5	4.6	299	Single line
TVVB	16	0.75	30/0.18	43.9	4.6	392	Single line
TVVB	18	0.75	30/0.18	49.6	4.6	441	Single line
TVVB	20	0.75	30/0.18	54.3	4.6	485	Single line
TVVB	24	0.75	30/0.18	64.7	4.6	578	Single line
TVVB	24	0.75	30/0.18	31.9	9.0	505	Star-shaped
TVVB	30	0.75	30/0.18	40.7	8.3	627	Star-shaped
TVVB	36	0.75	30/0.18	44.4	9.0	743	Star-shaped
TVVB	40	0.75	30/0.18	51.8	8.3	805	Star-shaped
TVVB	42	0.75	30/0.18	50.6	9.0	850	Star-shaped
TVVB	48	0.75	30/0.18	56.7	9.0	957	Star-shaped
TVVB	54	0.75	30/0.18	62.9	9.0	1065	Star-shaped
TVVB	60	0.75	30/0.18	69.0	9.0	1172	Star-shaped
TVVB	66	0.75	30/0.18	75.2	9.0	1279	Star-shaped
TVVB	3	0.75	30/0.18	15.9	4.6	132	Single line
TVVB	4	0.75	30/0.18	19.2	4.6	158	Single line
TVVB	8	0.75	30/0.18	29.6	4.6	244	Single line
TVVB	9	0.75	30/0.18	32.0	4.6	264	Single line
TVVB	10	0.75	30/0.18	34.3	4.6	284	Single line
TVVB	12	0.75	30/0.18	39.0	4.6	324	Single line

TVVB	16	0.75	30/0.18	50.1	4.6	418	Single line
TVVB	18	0.75	30/0.18	55.8	4.6	464	Single line
TVVB	20	0.75	30/0.18	60.5	4.6	504	Single line
TVVB	24	0.75	30/0.18	70.9	4.6	591	Single line
TVVB	24	0.75	30/0.18	40.9	9.0	651	Star-shaped
TVVB	30	0.75	30/0.18	48.9	8.3	756	Star-shaped
TVVB	36	0.75	30/0.18	52.6	9.0	878	Star-shaped
TVVB	40	0.75	30/0.18	60.0	8.3	934	Star-shaped
TVVB	42	0.75	30/0.18	59.8	9.0	1018	Star-shaped
TVVB	48	0.75	30/0.18	65.9	9.0	1125	Star-shaped
TVVB	54	0.75	30/0.18	72.1	9.0	1233	Star-shaped
TVVB	60	0.75	30/0.18	78.2	9.0	1340	Star-shaped